

NINETEENTH YEAR, No. 1.

MILWAUKEE, JANUARY, 1894.

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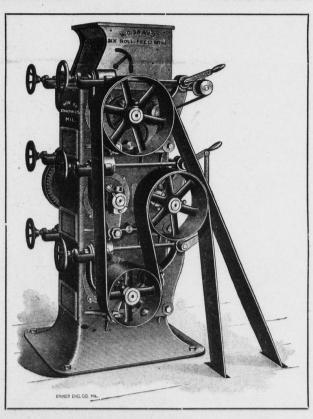
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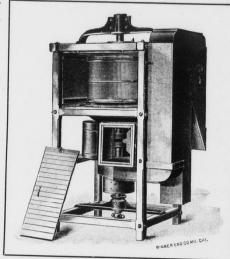
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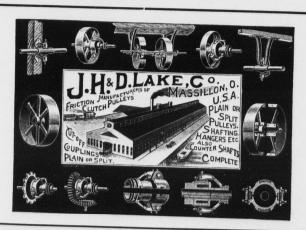
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NINETEENTH YEAR, No. 1.

#### MILWAUKEE, JANUARY, 1894.

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#### RANDOM THOUGHTS.

BY WANDERER. N this country, the rigid system of apprenticeship has largely gone out of use in recent years, and regular indentures and serving of time are not rigorously heeded as formerly. There is very little formality, therefore, in the relation that the apprentice bears toward his master, and vice versa. When a young man has entered the service of a mill-owner as a miller-apprentice, he is supposed to remain an apprentice until he has reached a point where he is sufficiently competent to "take a watch." A writer in one of our mechanical journals argues against what he calls "the grave error" often made by many firms in not keeping their apprentices after they have become journeymen, in preference to hiring new men. In my opinion it is usually a grave error, both on the part of the apprentice and his employer, to suppose that there is any advantage to either in a continuance of their relations after the expiration of the apprenticeship. The spirit which dominates the apprentice is usually entirely different from that which inspires the journeyman-necessarily so, and it is very rare that a young man can, at the expiration of his apprenticeship, remaining in the mill where it has been served, change his habits of dependence upon others for assistance in tight places, his way of doing things more with a view to learning than to the accomplishment of work, and his general feeling that he is a fixture in the mill, and is kept there more by reason of a specified agreement, or some indistinctly defined claim, which he dimly imagines himself to possess, than upon the sole basis of valuable services rendered. It is safe to say that the first year or two after the expiration of his apprenticeship, spent among strangers in other mills, and with a complete change of surroundings from that which he has been accustomed to, are the most valuable years in the experience of a young miller. It is then that he is thrown upon his own resources and compeled to depend upon himself,

he can hope to make a fair com-

other millers, and acquire a clear idea of his own inherent ability and value. It is during this experience that he ceases to be a boy and becomes a man, realizing that the position he is finally to occupy among other men will depend mainly upon himself, of course, largely upon the opportunities which may present themselves, but mainly upon how those opportunities are utilized.

It is a practical recognition of the fact that there is something lacking in the training of a young miller, who has merely completed his apprenticeship, which makes it almost impossible for him to secure as good wages by remaining in "the old mill," as he can secure by going out and taking a position elsewhere.

Viewed from the side of the employer or head-miller, the journeyman from another mill, even though he be a young man just out of his apprenticeship, is more valuable, not only because he expects to depend for his success entirely upon his own resources, looking for no favors not received by others, but because he brings new ideas which are likely to be valuable.

I think that the prevalent practice of exchanging young journeymen, which—though mainly without design-has been followed in this country, has been an important factor in the development of millers, and has been beneficial to all concerned. There are cases, of course, where young men have remained as journeymen in the mills where they learned their trades, and have risen in them to the posi-tion of head-miller, which they have filled with credit to themselves and to their employers, but such cases are comparatively rare, and it is safe to say that in almost every instance the young man would have been all the better for some out-side experience, no matter how valuable without it.

It was only a few years ago since there was considerable argument in favor of largely increasing the weight of machines used in flour mills, but little seems to have come of this nine out of ten machines on the

their construction throughout than they should be for the best economy. But builders will go on building light, weak machines, because they will sell. When it comes to putting fifty dollars more stock in a machine, the question of getting paid for the extra stock is, in these times of close competition, a very important one. When purchasers are willing to pay for heavy machines, they will find builders willing to make them. But the demand must precede the supply. When it comes to getting hard work out of a machine ten per cent extra cost does not amount to much, but when it is a question of selling a machine that costs ten per cent more than another, it is up hill business. The manufacturer of machinery must look at the commercial side of the matter, to the exclusion of other considerations, and the miller will find no trouble in getting what he is willing to pay for.

#### AN OBJECT LESSON.

SEVERAL of the milling papers have interested pers have indulged in expressions of wise opinion regarding the validity of the Brua patents, and made a great outcry because the Millers' National Association the and its ally, the Pennsylvania State Millers' Association, "stooped" to recognise these claimants, and effected a settlement with them. It has been asserted that the threats of litigation were merely "a bluff" and not worthy of notice; that it was practically "conniving at fraud" to settle with the Messrs. Keiper Brothers, and obtain from them a license and release under their patent. These two Millers' Organizations, however, apparently knew their business, and proceeded in the matter according to the unmistakable interest of their members, conferring benefits upon those who had been wise enough to be their supporters enough to be their supporters throughout the State of Pennsylvania, and elsewhere, royalties for alleged infringement of the said just what their action, in remaining on the outside, indicated a desire for,—to take care of themselves.

Eastern Millers, who have never believed in organization, who could see no practical throughout the State of Pennsylvania, and elsewhere, royalties for alleged infringement of the said litigation, necessarily expensive, numerous of the millers have paid the amounts demanded by the Messrs. Keiper.

Many, on the other hand, declined to settle or consider any proposal of compromise, and the result is, that many suits have been brought

which is the only way in which argument. It is safe to say that never believed in organization,

parison between himself and market to-day are lighter in benefits to be derived from joining the National Association and who have wagged their heads in commendation, when reading the wise opinions and advice expressed by the journals referred to, are now receiving a practical object lesson which ought to set them to thinking. Numerous suits are being entered in Pennsylvania against alleged infringers of the Brua claims, and the "bluff" does not seem as bluffy as it did. Those who thought they were wise in saving the four or five dollars, per annum, that membership in the National Association would have cost, are now going down deep into their pockets for four or five hundred dollars to pay for either their settlement with the Keiper Bros., or retainers to patent attorneys, simply to start their defense; and if the latter, they will make similar excursions many times, before they find themselves where the members of the National and Pennsylvania State Association stand.

A special organization "to fight the Brua Claims" has recently been formed by the unprotected multitude, and they are very much interested in the subject at present, though still firmly convinced of the invalidity of the patent. A circular letter is being sent out by the Attorneys of this organization, to millers throughout the United States, which the reads:

PHILADELPHIA, Pa., Jan. 13, 1894. Dear Sir: On Nov. 12, 1878, a Patent, No. 209,795, was issued to one Sam'l M. Brua, of Harrisburg, Pa., for an alleged "Improvement in processes of Manufacturing or Milling Flour."

Flour."

The application for this Patent was filed May 25, 1878.

On Sept. 8, 1892, 14 years after the date of the said Patent, it was assigned to Henry B. Keiper, and subsequently an interest to Lanious B. Keiper, both of Lancaster, Pa. Immediately thereafter, representatives were despatched by the Messrs. Keiper to collect from Millers Keiper to collect from Millers throughout the State of Pennsylva-

in the Circuit Court of the United States for the Eastern District of Pennsylvania at Philadelphia, against such whom the Messrs. Keiagainst such whom the Messrs. Reper consider infringers, and who refuse to submissively yield to their demands. Messrs. Z. K. & H. J. Loucks, of York, Pa., are of the number sued.

number sued.

Since the date of settlement by such millers as referred to, the Messrs. Loucks have through their counsel very carefully investigated the "prior art" and have found what they previously believed to be a fact that Mr. Brua's alleged invention was old and well known long prior to the date of the said patent. was old and well known long prior to the date of the said patent. The defense, which we have prepared, we believe to be beyond doubt sufficient to prove to the Court the fact that what Mr. Bruaclaims, was not his invention, even if it can be termed by such name, but it is our desire that the fullest possible investigation should be had—that no stone should be left unturned—and that if there is a miller in the country who has knowledges of this ore try who has knowledge of this pro-cess prior to the date of the Brua patent, and who may desire to assist his fellow millers against an unjust claim and the levying of an unwar-ranted tribute, he shall have an opportunity to assist and to communicate to us whatever knowledge he may have on the subject, which will confer a great favor ou the de-fendants, the Messrs. Loucks.

A settlement could have been eas-

A settlement could have been easily secured by the Messrs. Loucks, even after proceedings were brought, but they would not consider favorably any proposition looking to this end. The Brua people then decided to make a test case and thus settle their right to demand royalties from all all lore were and thus settle their right to demand royalties from all millers who are using a "continuous bolting process," and selected the above firm with this object in view. It will be almost impossible to over-estimate the far-reaching effect, and importance to the milling profession of the determination of this case.

Mr. Brua, under his Patent, claims as follows: "The Process of producing an Improved grade of flour, consisting essentially, in continuously mingling the corresponding grades of the valuable products of the first and after grindings, respectively, forrunning off the finished flouruniformly pending the regrinding and

formly pending the regrinding and the rebolting, substantially in the manner and for the purpose speci-

fied."

In his specification he states, that under the old system of milling, that is, prior to 1878, the miller to obtain a "uniform grade of flour" was obliged to throw off the "Fine" and "Coarse" Middlings with the "Offal," and to store it up for future resemparating, regarding and "Offal," and to store it up for future reseparating, regrinding and rebolting, the "Direct" or "First" operation for the treatment of the berry being stopped, whilst the second operation was carried on. But from these "Middlings" there will be again a certain percentage of "Middlings," which if disposed of as feed, causes waste, and to better economize, must again be stored up for future treatment in the same manner to extract more the same manner to extract more thoroughly therefrom at least a part of the flour still in it, while the "Direct" grinding and bolting are recommenced.

He further says: "I therefore con-He further says: "I therefore construct, arrange and operate the flour bolting, separating and purifying machinery in such manner that when the mill has once been fully engaged the Direct process of grinding and bolting may go on uninterruptedly, and the indirect process of treating the Middlings may also go on uninterruptedly at the same time, thus continuously causing the leavings of the "Direct" process to be separated, purified.

from the "Direct" process, thus uniting the "Direct" and the "Indirect" processes to constitute my combined finish or thorough process. There is therefore "No residum except bran by my process, and the flour is a uniform first-class grade." The mill floors are constantly cleared of leavings, and the miller's labors are thereby greatly lessened. greatly lessened.

In doing work by my thorough process, I run two series or gangs of bolts, conveyers and separators, of bolts, conveyers and separators, and these are preferably unitedly arranged in a double or vertically divided chest, in such manner that the spouts from the same division may be readily united—that is, flouris discharged by the conveyers at one spout, and the middlings are likewise discharged at one spout, suitably arrangend to present them to an elevator, by which they are conveyed to my patent purifier al. conveyed to my patent purifier already referred to."
"We enclose diagram showing plan of what Mr. Brua now claims

to be his process, though somewhat modified from the 'flow' described in his patent."

Referring to said diagram we find a mechanism with the "Direct" and "Indirect" operation. As indicated scribed in his patent."

Referring to said diagram we find a mechanism with the "Direct" and "Indirect" operation. As indicated on "Plan of Flow" A and A¹ and BB¹ represent the "Direct," and CC¹ and DD¹ and Z the "Indirect" system of the Brua Specifications and Patent. After the wheat is ground on a Burr to a substance called "Chop," it is elevated to the "Wheat Chop Bolt" designated as "A;" flour is taken out of this Bolt, and passed by conveyer A¹ down to a chest for receiving finished flour. The balance of the product from Bolt "A" consisting of "middlings" and "bran," is passed into a "Separating Bolt" designated as "B" on said Diagram. Here the "Middlings" is separated from the "bran," said bran being run into the "offal bin," and two grades of "Middlings" are made, namely—"Fine First Middlings," Said "Fine First Middlings," and "Coarse First Middlings," and "Coarse First Middlings," and "Coarse First Middlings," are made, namely—"Fine First Middlings," and "Coarse First Middlings," and "Coarse First Middlings," are sent directly by conveyer designated as "Bi\* to the regrinder or "middlings burr" in "Second," or "Indirect" system. The "Coarse Middlings," from "First" or "Direct" system, and after passing through the purifier are commingled and mixed with the are conveyed to purifier in "Second" or "Indirect" system, and after passing through the purifier are commingled and mixed with the "Fine Middlings" from the "First" or "Direct" system, passing to the Regrinder; thence they pass by an elevator to "Middlings Chop Bolt" designated on the Diagram as "C." Flour again is separated on this bolt from the "Middlings Chop" and passes by conveyer designated as "C1" to the said finished flour chest to mingle with the flour from as "C1" to the said finished flour chest to mingle with the flour from the flour of the "First Bolt." The "Middlings" from the Bolt "C" are passed down to the "Separator to Middlings Chop Bolt" designated as "D," and certain of the "bran" or "offal" which it may still contain is there exercises. as "D," and certain of the "bran" or "offal" which it may still contain is there separated and conducted to "offal bin." "The fine second Middlings" from Bolt "D" pass by conveyer designated as "D'," to and mix with the "Fine First Middlings" from the Bolt "B," and pass to the "Middlings Burr" to be re-ground, and thence pass and pass to the "Middlings Burr" to be re-ground, and thence pass back to bolt "C" as before described. The "Coarse Second Middlings" from the Bolt "D" commingle with the "Coarse First Middlings" from the Bolt "B," and certain case to the purifier "Z" and certain pass to the purifier "Z" and certain "Offal" is carried from the purifier to the "Offal Bin" while the purified material passes to "Middlings Burr" to be re-ground as before to be re-ground as before

the "Second" or "Indirect" system to extract all of the flour remain-ing. By thus continuously minging. By thus continuously ming-ling of the corresponding grades of the valuable products of the "First" and "After" grindings Mr. Brua asserts that he produces a "uniform first-class grade of flour" as above stated.

as above stated.

As you will perceive from one of the quotations previously made, he says: "There is, therefore, no residum, except bran by my process, and the flour is a uniform first-class grade. The diagram indicates the removal of some "offal" at "tail" of separator "D," which is not provided for in the specifications, being one of the modifications heretofore referred to.

Brua claims the "Roller Mills" as now generally constructed infringe his patent. The object in addressing you is to ascertain:—

ing you is to ascertain.—

1. Whether you used or had knowledge of the process above described, as indicated by the enclosed Diagram, and claimed by Brua, prior to 1878, or of any system approaching it or substantialy the same, and if so, when, where, and for how long you operated under

2. If so, were the "Middlings" e-ground on an "Independent eet of Burrs" and afterwards rebolted in a separate bolt?

bolted in a separate bolt?

3. After re-grinding and re-bolting, was the flour from the "Middlings Chop" mingled with the flour from the "Wheat Chop," making a "straight" or "uniform grade?"

4. Were any of the "Middlings," after regrinding and rebolting, and the flour taken out of them. re-

the flour taken out of them, re-turned to the regrinder and to the rebolting apparatus for further treatment to extract any flour which still remained in them, and the flour so obtained then mingled

which still remained in them, and the flour so obtained then mingled with the rest?

5. Were the "Middlings," purified, and if so, in what year did you first begin to purify them, or become familiar with such purification practiced by others?

6. If you made two grades of "Middlings," did you pass any of "Middlings," did you pass any of the "Finer" of them direct to the re-grinder, and the "coarser" first through the purifier, which afterwards mingled before reaching the regrinder with the "Finer" or "Unpurified" Middlings.

As this case is one of National importance, we look to the milling fraternity for its moral support and active co-operation to furnish, as far as possible, the sinews of defense in showing "anticipation" of the use of this alleged process, and thus assist in proving the fact that use of this alleged process, and thus assist in proving the fact that the process which Mr. Brua claimed to be his invention was old and well-known to, and practiced by, the millers of this country long prior to the date of his alleged invention.

If you are unable to answer the questions, or any of them herein noted, but can give valuable in-formation on the subject, whether covered by such questions or not, we shall be pleased to hear from

Awating a reply at your earliest convenience, we remain, Yours very Respectfully,

Z. K. LOUCKS, JR., 810 Girard Building, Philadelphia, Pa. HORACE PETTIT, 750 Drexel Building, Philadelphia, Pa. Solicitors for Defendants.

While we have but little sympathy for millers who refuse to appreciate the benefit of membership in the National Association,—an organization which has never failed to afford also go on uninterruptedly at the same time, thus continuously causing the leavings of the "Direct" Flour so produced Brua claims process to be separated, purified, is a "uniform first-class grade." In achieving this end, however, sirely, and the flour thus obtained is continuously, and therefore uniformly mingled with that obtained ing, rebolting and repurifying, in formly mingled with that obtained ing, rebolting and repurifying, in

this earnest appeal for help and advice, hoping that it will receive response from all who may be able to lend assistance.

To millers, generally, we beg to suggest the wisdom of uniting for just such difficulties as this, in one National Organization. If every mill of 100 barrels or more daily capacity in the United States held membership in the National Association the cost would not exceed \$1.00 per annum per mill, and a wonderful benefit might be obtained by all. Those who "take their chances" against Patent suits often find that they are called upon to spend more money on one trifling case than membership in the Association would have cost for a hundred years.

There will be a number of these object lessons, to interest the millers of this country within the next year or two, if the signs of the times do not

fail.

### EXPORT OF BREADSTUFFS FOR DECEMBER.

The following, from the Bulletin of the U. S. Bureau of Statistics, shows the amount and value of domestic breadstuffs exported from all American ports during the month of December, 1893, as compared with same month, 1892:

	189	3.	1892.				
	Bush.	Value.	Bush.	Value.			
Barley. Corn Oats Rye Wheat.	327,138 5,213,695 58,518 37 5,990,862	145,682 2,508,492 21,567 22 3,894,337	152,194 3,167,140 41,507 90,731 9,774,420	67,786 1,641,560 18,131 56,143 7,595,187			
Total.	11,590,250	6,570,100	13,225,992	9,378,807			

There were also exported dur-ing the month of December, 1893: 22,425 bbls. corn meal, valued at \$58,225; 561,937 lbs. oat meal, value \$16,302 and 1,-130,572 barrels wheat flour, value \$4,646,053.

For the twelve months ending December, 1893, the exports of breadstuffs as compared with same period in 1892, are as

follows: \*

	18	93.	1892.						
	Bush.	Value.	Bush.	Value.					
Barley Corn Oats Rye Wheat	5,400,090 53,825,878 7,052,715 763,756 108,918,562	26,482,531 2,553,519	76.641,725 5,123,710 4,888,719	2,005,951					
Total	175,961,001	111,453,393	213,693,834	160,567,551					

Other breadstuffs for the twelve months

	1893	1892				
	Bbls.	Value	Bbls.	Value		
Corn   Meal { · · · ·	257,666 Lbs.	701,849	305,505 Lbs.	927,583		
Meal 1 ···	7,826,123 Bbls.	212,576	14,539,201 Bbls	385,104		
Wheat }	16,150,293	70,572,144	17,194,747	81,424,989		
Total		71,486,569		82,737,676		

It will be noticed from the above that the exports for 1893 as compared with 1892 de-

#### ORGANIZATION OF MILLERS IN THE UNITED STATES.

#### THE MILLERS' NATIONAL ASSOCIATION.

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#### Associations.

\*Members of Executive Committee.

sident\_C B COLE

AT the annual meeting of the Iowa Millers' Association held at Des Moines on Jan. 17th, a committee was appointed to endeavor to get the legislature to repeal the Fishway law.

THE New York jobbers in flour propose to form an association, the object of which shall be to regulate the matter of extending credits and securing betterment of the trade in general.

GENERAL meeting of the Millers of Missouri, Kansas, Nebraska and Oklahoma is called for the 23d inst., at Kansas City, Mo. A large turnout of winter wheat millers from the west of the Mississippi River is expected, and a fruit-ful meeting is anticipated. The Mexico - American tariff laws will be discussed.

THE Millers' National Association, we understand, has had a prosperous year during '93. It has had something over a dozen patent actions to defend, and has accomplished a great deal of benefit for its membership. There have been several large mills join the organization of late, amrng the number being the big 10,000 barrel per day combination, The Hecker-Jones - Jewell Milling Co. of New York.

THE annual meeting of the Michigan State Millers' Association, held at Lansing January 9th, proved a success, as usual. About thirty-five members of the Association responded to the roll call, and there was also present the customary quota of mill machinery manufacturers and dealers, classed as honorary members.

The secretary's report showed that '93 had been a fairly prosperous year with the organization. The aggregate receipts of the association were reported as \$1,608.40, and the disburse-ments \$1,421.49.

ed as at the same point as the year before, the total number being 92.

The following programme was then followed:

Report of Committee appointed at the June '93 meeting, to confer with the State Board of Agriculture, in regard to improving the quality of Michigan wheat. The report was accepted and the Committee was given further time for action.

The subject "Is it possible and desirable to establish a standard grade of Michigan flour?" was then discussed, the verdict for the negative result-

Prof. V. C. Vaughn, of the University of Michigan, read a paper on "Examination of Flour," which was able and interesting. The Secretary of the Association has reserved the publication of the address for a flour paper of which he is the paid correspondent.

The question "shall weekly reports be discontinued" was then taken up and after much discussion was settled by a resolution as follows:

Resolved, That the weekly reports be continued and sent only to such members as make the reports and that the reports shall be classified as to percentages of patent flour, and sales made for the week re-ported shall be given without any reference to the time when shipped, and the price the buyers pay shall be the price quoted without reference to how sold, and that sales of less than car lots shall not be reported.

Discussion was then had upon the subject:—"Shall the Association go on record as in favor of a law, compelling the branding of all Michigan flour with a mill brand, which shall contain the name of the state' and it was decided that the Association should so go on record.

"Is a cut rate of freight an advantage to the miller?" was discussed and resulted in the adoption of a resolution as follows:

Resolved, By the Michigan State Millers' Association in convention assembled, that the President and he association were reported Secretary are hereby instructed to prepare a memorial to the Central Traffic Association asking that a rate of 20c per 100 pounds be made on grain and its products between

Chicago and New York during the season of lake navigation.

The election of officers for the ensuing year resulted in the following selection: For President, W. A. Coombs of Coldident, W. A. Coombs of Cold-water; Vice President, R. T. French of Middleville; Secre-tary and Treasurer, M. A. Reynolds, Lansing; and for members of the Executive Committee, Alfred Green of Holly, S. J. Titus of Battle Creek, and Alex. Stock of Hillsdale; Michigan's Representative on the Board of Directors of the Miller's National Association, W. A. Coombs of Coldwater.

A banquet was served in the evening at the hotel Downey which was enjoyed by all.

An exchange says: The reg-ular meeting of the Oregon and Washington Millers' Association, according to their constitution and by-laws, is the third Thursday in January. We wrote the secretary asking if the association intended to have a meeting and received the reply stating that he did not know whether there was to be one. No doubt the association has quietly passed away. "Let it

rest in peace."

If this Millers' Association would only get together and work in harmony, a little persuasion would no doubt bring members into the fold. Mr. W. S. Hurst, one of the oldest millers on the coast, did some good missionary work in going throughout the country obtaining millers to join the association. It would pay the Oregon and Washington Millers' Association to hire him to go out and bring the millers of Oregon and Washington into the association.

#### AMERICAN FLOUR.

In reply to the wheat and flour circular of the Department of State, Chas. N. Daly, Consul at Guelph, Ont., reports the people there are ready to buy American flour if it can be sold as cheap and of as good quality as the domestic. Bakers use hard wheat flour of the best quality, and families the best grade of fall wheat flour. No American flour or American wheat was imported in 1891, 1892 and 1893. The obstacle to the use of American flour is the duty of 75 cents per barrel.

leave a balance of £1,315,2s. 9d. to carry forward to the new account. Such a result is the more satisfactory, seeing that the internal condition of Brazil has not been during the past twelve months exactly favorable to the operations of trade. It is not surprising to hear that since the date at which the accounts were made up, that is to say, the close of August last, 'the working of the mill has been greatly interfered with by the disturbed state of Rio de Janeiro,' but it is well to know that the mill and its belongings have hitherto taken no serious harm, and that the staff are reported safe and sound. Even war's alarms cannot extinguish man's craving for food."

The following from the Journal of Commerce and Commercial Bulletin will be of interest:

In answer to the wheat flour circular of the State Department, M. J. Henrick, U. S. Consul at Belleville, Ontario, sends the following: "Previous to 1886 probably fifty to

"Previous to 1880 probably fifty to sixty per cent of the flour used here was of American manufacture, but the abrogation of the reciprocity cut this trade off. The vessels would load with lumber or other Canadian products for Oswego or these American posts and return other American ports and return laden with American flour. Since that time, however they have built larger and better mills with modern machinery, and we could hardly expect under any circumstances to expect under any circumstances to furnish as large a percentage of the flour used as before. One miller, Mr. Clark Smith, of Campbellford, Ontario, has lately purchased two carloads of hard spring wheat in Chicago as an experiment. It cost him, laid down at his mill, about the same as Manitoba wheat (including the days) but he saw the results. ing the duty), but he says the result was unsatisfactory, as the flour was not as good color as that made from Manitoba wheat, nor was it as strong a flour. The freight charges were in favor of the American wheat.

wheat.
"It is the opinion of a majority of
the large dealers that, were the
same conditions existing, as previous to 1885, our trade in flour with
this district would be to a large
extent regained, and in this opinion
I concur."

### ARE YOU GOING SOUTH THIS WINTER?

If so, make your arrangements to go via the BIG FOUR ROUTE.

go via the BIG FOUR ROUTE.
Whether in pursuit of health or
pleasure, no portion of the country
offers so many and varied attractions at this season as the Sunny
South. The Orange Groves of Florida, redolent with the perfume of
sweet blossoms, wave their branches
in hearty welcome to the tourist
from the Snow-clad Northland and
the mellow breezes of the Southern
Sea woo the invalid from the Blizthe duty of 75 cents per barrel. John S. Derby, United States Consul at St. Johns, N.B., makes a similar report as to the Dominion tariff.

FLOUR MILLING IN BRAZIL.

The London Miller says: "A brighter day seems to have dawned for the Rio de Janeiro Flour Mills and Granaries, Limited. The directors' report for the year ending August 31, 1893, shows a net profit of £10,065 2s. 9d., which, it appears, will suffice to pay a dividend of 7s. per share, and

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## **AUTOMATIC \* SPRINKLERS**

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#### EXECUTIVE OFFICES, -PROVIDENCE, R. I.

B. W. DAWLEY,

Department Agent and Supt. Western Department.

226 LaSalle Street, CHICAGO, ILL.

FIRE PROTECTION.

inestimable value of automatic tern railroad corporation. fire extinguishing apparatus as a During that year he went a means of saving human lives abroad and visited the large and lessening the enormous fire waste is acknowledged by underwriters and property the civilized world. A degree paratus almost humanin promtness and efficiency. Last week a representative of The Standard had occasion to visit the offices and factory of the General Fire Extinguisher Company confident that our readers the career of the man who has been most prominent in the development of the art of automatically extinguishing fire, and the growth of the most successful company manufacturing such apparatus, the tinguishing apparatus, into material for the following was textile and other manufacturobtained.

of the General Fire Extinguis- an automatic fire extinguisher, her Company, was born at New Bedford, Mass., Aug. 14, 1836, introduction of the same. Seriand his elementary education was obtained at the Friends' found in the device, and its Academy in that city. In 1852 further introduction had been entered the Rensselaer Polytechnic Institute at Troy, N. Y., and completed his course three years later with high honors. Shortly after graduation fire, so improved the construche became identified with the tion of the Parmelee, as to Jersey City Locomotive Works, make it a successful apparatus; and continued in its service as and in 1878 he commenced in draughtsman and mechanical earnest the active equipment of engineer until 1860. He left the company in that year to enter the service of the Corliss

1881, at which time Mr. Grinnell

the actual duties of superinten-UNDER the above caption dent of the works. Mr. Grin-The Standard says: After nell resigned the latter position years of persistence and a large in January, 1865, to become expenditure, in the face of manager of the Jersey City many discouraging experiences Locomotive Works, then leased the time has come when the by the Atlantic & Great Wes-

mechanical establishments in England and Scotland, and, on his return, was promoted to owners generally throughout the responsible position of superintendent of motive power of perfection has been attained and machinery. He resigned which renders the operation of the approved types of such apa large interest in the Providence Steam & Gas Pipe Company of Providence, R. I., which had been in existence since 1850. In addition to being president of the company, at Providence, R. I., and feeling he was its active business manager and mechanical engiwould like to know more about neer as well, his exceptional ability enabling him to act most successfully in these capacities.

A leading specialty of the Providence Steam & Gas Pipe Company was the manufacture and installation of fire exing establishments. In 1874 Frederick Grinnell, President Henry S. Parmelee, constructed or sprinkler, and made a limited ous defects, however, were found in the device, and its practically abandoned, Mr. Grinnell, appreciating the great advantage of an automatic method of extinguishing

which has now become widely 1,514 fires, of which 116 were and favorably known as the with the dry pipe system. In valve or sensitive automatic Great Britain 158 fires, and in sprinkler.

after several years' experience, that any sprinkler might become unreliable in its action, by reason of corrosion, or by the lodgment of adhesive matter upon the valve, or by the penetration of the valve seat into bourne and Bombay. the face of the valve.

recognize and overcome these difficulties. He modified the construction of his sprinkler, by using a glass valve, which is obviously non-corrodible and the flexible diaphragm feature of his sprinkler, so as to cause it to exert a powerful force in driving the valve off its seat.

As a matter of fact these latest modifications of the Grinnell sprinkler are recognized as an efficient means of overcoming all know difficulties in automatic sprinkler construction.

Mr. Grinnell is also the inventor of an apparatus known as the Grinnell dry pipe valve and fire alarm, by means of which it is possible to protect properties which it is not practicable allowed to stand in the pipes and sprinklers. This valve keeps the water back beyond the reach of frest, and the entire sprinkler system is empty until a fire occurs, when the valve opens automatically, water is admitted to the unsealed sprinklers, and an alarm is sounded at the same time.

The Grinnell apparatus is manufactured of selected material, by means of specially constructed machinery, which is operated by skilled workmen, Steam Engine Company, at made his valuable invention, a rigid test before being shipped which enabled him to construct from the factory. Up to Jan. 1, afterwards made treasurer, with type of automatic sprinkler— lad operated successfully in business and installing and all apparatus is subjected to

Europe and the colonies 57 fires It was discovered, however, had been extinguished by the Grinnell apparatus. Dowson, Taylor & Co. are the agents for Great Britain, Europe, and the Colonies, with offices at Manchester, London, Glasgow, Leeds, Paris, Sydney, Mel-

ne face of the valve.

Mr. Grinnell was the first to iness more efficiently and with greater economy throughout the country, Mr. Grinnell and several other inventors and controllers of automatic fire extinguishing apparatus deciimpenetrable. He also changed ded, after considerable discussion, to combine the several inventions and transact business as a single company. Accordingly, on Jan. 2, 1893, an organization with a large working capital was effected, under the title of the General Fire Extinguisher Company, with executive offices at Providence, R. I., to control the inventions of Frederick Grinnell, William Neracher, John Hill, William Kane, and others.

The General Fire Extinguisher Company has factories at Providence, R. I., Warren, O., and Philadelphia, Pa. The or desirable to heat, and in officers of the new organization which water would freeze, if are Frederick Grinnell, presiare Frederick Grinnell, president; O. C. Barber, vice-presi dent; F. H. Maynard, business manager; William Neracher, Western manager; W. S. Hackney, treasurer, and F. W. Hartwell, secretary. Department agents W. T. Montgomery, ment agents w. I. Montgomery, Boston, Mass. E. O. Richards, New York City; William Kane, Philadelphia, Pa.; A. M. Gran-ger, Buffalo, N. Y. William Neracher, Cleveland, O. E. B. Danson, Cincinnati, O. B. W. Dawley, Chicago, Ill.; John Moore, St. Louis, Mo.; John Hill Columbus, Ga. Moore, St. Louis, Hill, Columbus, Ga.

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Underwriters all agree to abide by decision against any one underwriter. See INSURANCE MINIMUM RATES ON RISKS EQUIPPED WITH APPROVED SYSTEMS OF AUTOMATIC SPRINKLERS. TOTAL CASH ASSETS, \$235,692.13. NET CASH SURPLUS, \$214,308.63.

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sprinkler equipments of proved efficiency, is in a position to command the confidence of building and machinery \$15,000, and on stock on hand, \$3,000; insured for \$7,500. property owners and under-writers alike.

It is impossible to estimate the enormous fire waste that has already been prevented by automatic sprinklers, to say nothing of the untold millions that will be saved in future years; and in view of the fact that "any act which reduces the fire loss is as high a deed of philanthropy as are the good works which increase health and prolong life," Mr. Grinnell may well congratulate himself may well congratulate himself upon the accomplishment at 10th, damaged the grain elevator of Robert Henderson to the extent in perfecting the art of autoin perfecting the art of automatically extinguishing fire.

#### News.

A SIXTY-BARREL flour mill has re-cently been built by W. H. Prater at Dalton, Ga.

IT is reported that Geo. M. Mason intends building a steam flour mill at Oakland, Md.

THE Wing Flouring Mills at Charleston, Ill, burned, Loss, \$100,-000; insurance, \$45,000.

THE Eureka, S. D., flouring mill has shut down for the months of January and February.

THE flouring mills of William meal.

Jarvis, Salvisa, Ky., burned, loss \$17,000. Insurance \$5,000.

THE Inter-state Milling Co., of Little Falls, Minn., has commenced shipping flour to Germany.

THE Ackerman Bros.' Mill Co. has started its new mill at Young Amer-ica, Minn. Capacity, 100 barrels.

JOHN M. GWYN, Chatham Hill, Va., intends to build a roller flouring mill in the spring, of a 30 to 50-bbl. capacity.

SCOTT BROS. & MAGUIRE, at Cedar Bluff, Va., through the burning of their mill recently, suffered a loss of \$6,000.

THE flouring mills of Smith & Phillips at Wooster, Ohio, were visited by fire on Jan. 12th. Loss \$10,000; insurance \$5,000.

AT Elkhorn, Neb., Jan. 12th, the old Roanoke elevator, owned and operated by H. A. Molte, burned. Loss, \$10,000; no insurance.

ARTICLES of incorporation were filed recently by the C. & H. Grain Company of Glencoe, Minn., with a capital stock of \$40,000.

THE citizens of Kasson, Minn., are considering the proposition of a Mr. Sorenson to build a \$10,000 mill, receiving a \$2,000 bonus.

ADLARD's large flouring mill at Unionville, Ohio, burned on the morning of Dec. 25th. Loss \$20,000; partially covered by insurance.

EFFORTS are being made to organize a stock company for the purpose of erecting a flour mill in Summer-ville, Ga. F. L. McGinnis is interested in the project.

FIRE Jan., 14th, destroyed the Clifton Roller Mills at Clifton Texas, owned by W. S. Helm loss on mill \$1,000 on Stock \$3,000. The insurance expired Jan., 13th.

AT Clinton, Mo., on Jan. 7, the Western Roller Mills belonging to J. H. Kracke & Co., of St. Louis, burned. Loss \$35,000, with \$15,000 insurance. The mill was full of grain, grits and

THE Fall Creek Milling Co. of Ithaca, N. Y., has been incorporated with a capital stock of \$35,000. Incorporators—Albert M. Hull, Chas. H. Hull and George C. Keeler, all of Ithaca.

By the explosion of a boiler on January 12th, the Willy Co., Sus-tained a loss of 5,000 dollars to the power house of their flouring mills at Appleton, Wis. The engineerwas instantly killed.

DURING 1893, the fire losses in the SCOTT BROS. & MAGUIRE, at Cedar Bluff, Va., through the burning of their mill recently, suffered a loss of \$6,000.

THE O'Neill flouring millat O'Neill Neb., burned on Jan. 11th. Loss on 000 to that sum.

THE Williams Roller Mill Company, of Muscatine, Ia., are running john Breakfast Food Co., and was day and night. They have orders booked covering their January and the Cereal Co. is total, with an in-February output.

THE Noel mills at Estell Springs, Tenn., started January 10th with in-creased capacity. It now makes 3,500 barrels of flour per day and is one of the largest winter wheat flour mills in the Settler. mills in the world.

IT is reported that by April of 1894 five more flour mills will be built in the State of Oregon; one of them will have a daily capacity of 40bbls.; two at 75 bbls. each; and the other two 150 bbls. each; two 150 bbls, each.

AT Belleville, O., R. A. Boling's Grain Elevator, with 5000 bushels of wheat, some of which was stored for Northwestern Milling Co., was destroyed by fire. There was an insurance of \$5,500 on building and contents which about covers the

The flouring mills of Chas. W. Hudson, at Janesville, Wis., closed down January 17th for good. The mill will be razed and a new one, to be one of the finest in the state, erected. It is expected the new mill will be in running order by the first of May.

THE large elevators and flouring mills of A.W. Doherty & Bro., located at Ladoga, Ind., were totally destroyed by fire Dec. 28. The plant was very valuable and always run full time. It will be rebuilt at once. How the fire originated is notknown. Loss fully \$50,000.

A PRESS dispatch from West Superior, Wis., dated Jan. 5, says: Five mills, which have been turning out Superior's heavy flour product the past season, have been forced to shut down because of the high all-rail rates to the East, which were inaugurated Jan. 1.

DURING the first week in January all Europe was subjected to a severe "cold spell" even the southermost parts of Europe were treated to a dose of bitter winter, and it is probable that the winter wheat plant was badly damaged in some areas. It is up to date a queer, unusual sort of winter, the world over

surance of \$17,500 on machinery and stock.

The people in and about Chandler, S. D., are manifesting much interest in a proposition to erect a flouring mill at that point, to be operated by artesian well power. Petitions are being circulated about here which will be submitted to commissioner of irrigation, asking that an artesian well be located in every township of Charles, Mix County.

COMMUNICATION from Little Falls, Minn., states that the flouring trade has increased materially with trade has increased materially with our milling people of late. The Lit-tle Elk mill is a couple of weeks be-hind with their work and the Inter-state Milling Company are running their most excellent plant to its fullest capacity. They export near-ly their entire output.

AT Livingstone, Mont., arrangements are now being made to organize a stock company to construct and operate a flouring mill in that city. Large quantities of grain, suitable for milling purposes are raised in the Yellowstone and Shield River valleys which is tributery to that city and as Living. utary to that city and as Living-stone is supplied with an excellent water power, it is probable that such a venture would be a suc-

A REMARKABLE fact in connection with the family of Miller Robt. Meyers, of Glasgow, Ky., is that three of his four sons are millers, and that three of his five daughters married millers. The father and one son op-erate the "Red Mill" at Glasgow, un-der the name of Meyers & Son, while two other sons, William and Hise, are in the business at Greensburg, Ky. The Meyers have the reputa-tion of being good business men, honest, industrious and full of energy.

#### Asthma Sufferers

plant was badly damaged in some areas. It is up to date a queer, unusual sort of winter, the world over.

FIRE, early Jan. 17th, wholly destroyed the plant of the American Cereal Company, situated in the milling district of Minneapolis, entailing a loss of \$60,000. The

#### CARRIER'S LIABILITY.

The Appellate Court of Indiana held, in the recent case of Reid vs. Evansville & Terre Haute Railroad Company, that in the absence of a special contract, a common carrier of goods is liable, as an insurer, for the safe delivery of the goods; that a carrier may, however, restrict its liability by special contract, but cannot thereby exonerate ifself from liability for loss occasioned by its own negligence; that where goods intrusted to a common carrier for transportation have been destroyed by fire while in its possession, the carrier contracting against liability for loss by fire, the burden is upon the owner in an action on the contract, alleging neglience, to establish it as the proximate cause of the loss, and that where the carrier's negligence relied upon in such case is delay in forwarding the car containing the goods, which car was, with the goods, consumed by fire communicated from burning buildings near the carrier's sidetrack, the carrier is not liable, their negligent failure to forward the car being attended with such unnatural and unusual consequences that they could not, by the highest practical care, have foreseen and provided against them, is not the proximate cause of the loss.

#### FOR AN ELEVATOR COMPANY.

in Chancery Boyeson and desuit against the C., M. & St. P. Ry. Co., and directed a decree, compelling the railroad company to pay the elevator company the value in cash Dec. 30, 1890, of the Fulton elevator and of the ground on which it stands, and of the St. Paul elevator, which stands on ground belonging to the railway company; both elevators being situated on the river, between Fulton and Carroll streets.

The suit grows out of a contract made by the railway company with Jesse Hoyt & Co. in Hoyt & Co. were the 1880. owners of the Fulton elevator and lots, and the railway com-pany leased to Hoyt & Co. some adjoining lots for ten years. Hoyt & Co. agreeing to erect a 700,000 bushel elevator on the leased land, and the railway company agreeing to buy the entire plant at its "cash value" at the expiration of the lease. Hoyt & Co. assigned the lease to Munger, Wheeler & Co., the railway company consenting. Munger, Wheeler & Co. assigned the lease to the

ber. The defense urged that the lease was a personal contract and could not be assigned; that the contract provided for the appointment of arbitrators to determine the cash value; that none having been appointed, the court could not enforce the contract, and that the remedy was at law and not in equity. The court disposed of all these contentions, and added that aside from the authorities, which were clearly against the railway company, none of its defense was equitable. The contract had been satisfactorily performed by the elevator company, and a court of conscience would compel a performance by the other party. The court ordered a reference to a master in chancery to fix the cash value of the elevator plant, Dec. 30, 1890, and directed that the railway company pay the amount so ascertained to the elevator company. The value of the elevator plant is said to be about \$552,000.— Pioneer Press.

#### BETTER LATE THAN NEVER.

An overhauling of the patent system is now in progress. According to advices from Washington, Mr. Seymour, the Commissioner of Patents, is making a rigid investigation of the recent issues of the Patent Office. The commissioner believes that there has been a large amount of negligence on the part of the examiners in Judge Windes, on Jan. 3d, the granting of patents which sustained the report of Master actually embraced no new inactually embraced no new inventions, and that there has cided in favor of the City of been considerable looseness in Chicago Grain elevators the the methods of some of the examiners in deciding claims. The comparatively large number of recent judical decisions declaring various patents invalid has, it appears, proved a source of considerable annoyance to the commissioner also. -Bradstreets'.

#### RECENT MILLING PATENTS.

The following list of patents for Milling and Grain Handling Appliances, granted during the month of December, 1893, is especially reported for the UNITED STATES MILLER, by H. G. Underwood, Patent Attorney and Solicitor, 197 Wisconsin Street, Milwaukee, Wis., who will send a copy of any patent named to any address for 25 cts. No. 510 768 Grain eleganing working. No. 510,768, Grain-cleaning machine, S. Bisbee, Madelia, Minn. No. 510,769, Grain-scourer, E. K. Bo-dine, Bristoe, Va.

TRADE-MARKS.

TRADE-MARKS.

No. 23,906, Lyon, Dupny & Co. Boston, Mass. Wheat-flour. The word "Citadelle," used since Dec. 1893.

No. 23,910. E. Ellsworth & Co. New York and Buffalo, N. Y. Flour, Meal etc. The representation of a clover blossom. Used since Nov. 1, 1890.

No. 23,942, Sperry Flour Co. San Francisco, Cal. Rolled Wheat-meal. The word "Germea" used since Jan. 1, 1883.

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service, or from effects of service, and they are now dependent upon the service or from effects of service, and they are now dependent upon the service or from effects of service, or from effects of service, or from effects of service, and they are not dependent upon the service or from the service or fr

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of thirty three members was houses and to bring them reelected. All are protection-A special dispatch to the dispatch to the and several favor an increase elevator company without the Chicago InterOcean, dated Jan. of the import duties on grain. railway company's consent. 19th says: In the chamber of It is understood that the com-

under state direction, in view of preventing accumulations of produce which, during certain times, are thrown upon the French market, thus reducing The case was argued before Deputies Thursday the stand-Judge Windes early in Deceming customs duties' committee present system of bonded ware-tions.

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We respectfully request our readers when they write to persons or firms ad vertising in this paper, to mention that their advertisement was seen in the UNITED STATES MILLER. You will thereby oblige not only this paper, but the advertisers.

#### Editorial.

THE Hecker-Jones-Jewell Milling Co. through its president Mr. John W. Hecker, in a letter to Mayor Gilroy, of New York city, under date of Dec. 27, 1893, stated that the corporation appreciated the fact that much of its success had come from those who depended on a weekly wage for their maintenance; that it wished to distribute, aided by the intelligent co-operation of the charitable societies of the city 25,000 bags of flour among the

This is an admirable action and is but an additional mark to the credit of a company well known for its benevolent and knowledge.

NOTWITHSTANDING the fact that the mills of this country are more generally idle. than at any time before since milling became one of its great industries, it is remarkable that none of the great concerns have been forced to succumb to the financial depression, that has overtaken the large concerns of nearly every other class of business and we look upon the present inclination to "shut up shop"—rather than continue to run mills and crowd their products upon an already overproducts upon an already over- Appeals by the Cockle Separa- manufacturers.'

able sign of better times to of Pillsbury & Co., has, for come. Our millers generally, some reason best known to the ed as giving sound business logmore particularly the larger attorney of that company, been operators, have always been dropped-or rather judgment very loth to stop the wheels for the plaintiff been entered and give the markets a chance in default. It seems to have to get rid of the surplus stock been generally understood that and recover prices. We think this case was being defended it fortunate at this time that the by the Millers' National Assorailroad situation is such that no ciation in behalf of Pillsbury & other course is left to the miller, Co., but such is not the fact. The but to shut down and wait. Cockle Separator Co., through This week finds every mill in their attorney have alone had Superior and Duluth idle, Min- the matter in charge, and it is neapolis output very largely on account of their default that reduced, Milwaukee with only the case was dropped, and judgtwo mills running full time, ment taken for the plaintiff. and one half time. Other milling centres are upon a similar basis. Should this state of "innoctious desuitude" continue for thirty or sixty days, it would in the end be a godsend to every miller. Now, while the majority of mills may not have been able to show a good balance, on the right side, January first, the outlook is certainly encouraging for the future, if millers will only allow the present surplus to be drawn down before rushing their supplies forward, thus making the later condition of the market worse than the first.

UR readers are referred to our condensed table of breadstuffs exported in 1893 as quiteafallingofffor'93, notwithstanding the fact that the principal markets of Great Britain are, respectable poor of the city, so that it would be regarded as a New Years' gift, instead of a ne In rye \$3,993,292; corn-meal and oat-meal over \$400,000. This would seem to indicate that our exports for '92 were so largely charitable work in all cases of in excess of requirements by deserving need coming to its importing countries, that low prices for '93 were an inevitable consequence of the policy, which has been a sort of mania, particularly among millers, to rush their mills to their utmost capacity, and force the surplus upon an already overloaded market. The present close-down of

loaded market-as a most favor- tor Co., of Milwaukee, on behalf

THE MILLER A FREE TRADER. WE have found, from conversation with many well informed millers, that they believe their interests, as millers and exporters, lies in the direction of Free Trade. Mr. J. R. Dodge, late statistician of the Department of Agriculture, in an article published in the Inter Ocean, points out that the only ing all liability on the part of way to get a fair market price for the carrier, in case of loss or wheat and flour, is to have a domestic market sufficient to regulate the domestic price.

The Inter Ocean, commenting upon his article says:

"In a somewhat casual way, Mr. Dodge remarked last week that the mere straw of the wheat raised by the English farmer was worth more per acre than the wheat itself on a Dakota farm. The paper of this week is devoted to the future of wheat growing, and is specially devoted to the future of the specially devoted to the special to the specia compared with 1892, showing wheat growing, and is specially de serving of attention, not only by farmers of the wheat belt, but every broad-gauge business man of this city, for Chicago may be said to hold the thermometer of the wheat market for the whole round

prairie husbandry. The present price is far below what would have been regarded a few years ago as pos-sible. But so long as our producers are dependent upon the foreign deare dependent upon the foreign demand the tendency is sure, on the general average, to be downward. The peasants of Russia and the ryots of India are not our only competitors. The vast plains of the Argentine Republic are admirably adapted to wheat raising. The exports to England from that country have only fairly begun, but already they are enormous. The Columbian Exhibition was a straw showing the current of agriculture in that undeveloped country. The Argentine representatives, showed a special interest in our implements and majority. chines for sowing, harvesting and thrashing wheat.

We have yet to hear the first argument that could be acceptic, why a miller's interest should favor Free Trade.

#### AGGRESSIVE AS EVER.

IT will be remembered that the railroads composing the Central and Trunk Line Traffic Associations, about four years ago, sprung upon the shipping public a freight receipt, or Bill of Lading, which was so outrageously unfair and in violation of the provisions of common law applying to common carriers, that a storm of indignation was aroused among shippers throughout the territory "served" by these lines. The document was not even a receipt for the goods to be transported. Its provisions, under which the parties to the contract were to be bound, were voluminous, containing simply nothing for the protection or benefit of the shipper and evaddamage. To cap the climax, there was printed in large letters, across the face, the words, "Not Negotiable," as if to call the attention of all banks to the absolutely valueless character of the "Bill of Lading." The Chicago Board of Trade issued an invitation to all the leading commercial organizations of the United States to send delegates to a convention, to be held for the purpose of strongly protesting against the proposed injustice, which the railroads wished to perpetrate, and to take such action as might seem best to prevent the general adoption of the document. This convention resulted in the organization of a permanent Association, known as The National Transportation Association, which has frequently been referred to in our colums. The leading commercial organizations of Boston, Baltimore, Philadelpia, Buffalo, Cleveland, Toledo, Cincinnati, Louisville, St. Louis, Chicago, Peoria, Milwaukee, Minneapolis, St. Paul, Omaha, Kansas City, New Orleans and a number of National Organizations, such as The Millers' National Association, The National Paint, Oil and Varnish Association, National Cattle Buyers Association. joined hands in this Association, and so quickly and power-

fully was their influence felt. that the railroads were forced to recede from their position. The proposed "Uniform Bill of Lading" was abandoned for the time and no disposition to put it into general use has been evinced until recently. splendidly organized and managed Railway Associations of the country were not to be permanently retarded, however, by a little thing like this, and they have been quietly at work ever since, with a view of accomplishing their desires by another route. The "foxy" managers have merely talked of formulating and adopting, "for the general good," a uniform classifacation of freight, which idea met with general approval on the part of the shipping public. On January 1st, 1894, this uniform classification was suddenly promulgated and placed in force on all lines of the Central Traffic Association. Association. The classification is based exclusively upon the use of the old, obnoxious Bill of Lading, containing all the objectionable clauses and the non-negotiable The shipper is required, before the Bill of Lading is given him, to sign a special contract, or general release which reads: "Therefore, in consideration of the premises the said ..... (shipper's name) do (does or do) hereby release and discharge, so far as (he or they) lawfully may, the said railroad company and all other railroad or transportation companies, to which the said property may be delivered for transportation to or toward its place of destination, from all claims, demands or liabilities for any loss thereof or damage thereto, howsoever occurring, whether by fire or otherwise, or whether by negligence of the said railroad or transportation companies, or of their or either of their officers, agents or employes, or otherwise, while the same is in their care, custody or possession." Of course, this is directly contrary to the common law, and if a shipper cares to litigate a claim of \$10.00 at an expense of \$10,000.00 and wait fifteen or twenty years for the action of a final court, he may recover, provided it be not held that the special contract, which he entered into voluntarily, when he signed the release, does not take from him the rights acquired through the common law. It is not probable however, that there would be much litigation of this character, and through these forms the transportation companies would be able to withhold from rightful alone. As soon as the news claimants, thousands of dollars reached the Grand Trunk, that each year. The classification provides, in black face type, at This knockyd out the ferry the head of every page: "Pro- line and an advance to the perty shipped not subject to established rate was at once

higher than as herein provided, lows time for the ten days' and cost of Marine Insurance. On the higher classes of freight sary by provisions of the interthis doubles the charge, and state commerce law. simply compels the shipper to accept the terms imposed by the carrier.

The railroads must feel pretty sure of their ground, to thus throw down the gauntlet to the National Transportation Association, which is now well organized and in good, active condition. The executive committee of that organization held a special meeting at Chicago on the 19th inst. and steps will at once be taken to secure national legislation, which will at least impress the Railroads of the United States that they are servants, not masters. A bill is pending in Congress, known as the Patterson bill, to amend the inter-state commerce act, so as to permit the Railroads to form and Continent on the dates 'pools" and the Transportation Companies are working hard to secure its passage. prising that they should have been so rash as to push their "Uniform Classification" into use, before they had succeeded in accomplishing their desires in the direction of pooling. This bill will doubtless prove a test of their strength, as it will be bitterly opposed.

A<sup>S</sup> a result of the refusal of the Grand Trunk Ry., to cooperate with the Kewaunee Line in making cut rates, there is no immediate prospect of disorganization in freight rates to and from Milwaukee. A short time since The Kewaunee Line created a stir in freight circles by announcing a 23 cent rate on flour and grain from Minneapolis to New York. The quoting of this rate was an attempt to renew the fight for a differential. All lines crossing Lake Michigan and breaking bulk, as is done by the Flint & Pere Marquette, and the Detroit, Grand Haven & Milwaukee, are allowed a differential, but those taking the cars bodily across, as is done at Mackinac, and by the Kewaunee line, are not. The Kewaunee line made a hard fight for this advantage, but was defeated. The recent cut was an attempt to open up this vexed question again, but it failed. The freight handled by this line passes eastward over the Toledo, Ann Arbor & North Michiagn, Grand Trunk and Lackawanna roads, and the rate was made by the ferry line 

notice of advance made neces

HOWES, Silver Creek, S. New York, has just issued a very attractive calendar for 1894, which is up to the Eureka standard. Millers who would like to adorn their office walls with a copy can obtain it, by writing the request for one, which will receive prompt response.

#### WORLD'S WHEAT AND FLOUR SUPPLY.

|Compiled for Europe by Liverpool Corr Trade News, and for America by the Dai Iy Trade Bulletin, Chicago, and the Mar ket Record, Minneapolis.|

The following table exhibits Common Carriers and public the approximate available supply of breadstuffs in second hands in the principal countries of Europe, with the quantities afloat for the United Kingdom named:

> AVAILABLE STOCKS IN EUROPE. Jan. 2, '94, Jan. 2, '93, bushels. bushels.

Afloat for United King- dom	10,500,000 7,600,000 12,500,000
Total afloat	30,600,000
In store, France 12,700,000 In store, other countries 8,000,000	28,300,000 8,500,000 6,500,000
In store, Russia 19,200.000  Total supplies 101,900,000	14,000,000
APPROIMATE AVAILABLE IN AMERICA.	87,900,000 STOCKS

The following table exhibits the approximate visible supply of flour and wheat in the United States and Canada:

Flour in Canada, equal Flour in United States,	Jan. 2, '94, bushels. 594,000	Jan. 2, '93, bushels. 640,000	
Flour in United States,	8,183,700	9,343,840	
Wheat in Canada Wheat in the United	427,500 5,559,400	495,000 6,718,700	
States, east	104,184,000	122,634,000	1
States, west	11,216,600	9,688,700	
Total	130,165,200	149,520,240	

#### "CORN TRADE NEWS" ESTIMATE OF PROSPECTIVE SUPPLIES.

LIVERPOOL, DEC. 13, 1893.

It will be interesting to inquire what supplies the importing countries can expect during the current three months, during which time several Russian and Rou-mania ports will be closed. Reckoning for 13 weeks from the 1st of December, we submit the following probabilities, pointing out that the problem is one of the quantities to be put afloat and not one of the prospective arrivals

America and Canada at the rate of *60,000,000 bushels in 7 months. Black Sea 3 weeks at 2,400,000 and	Bush. 25,600,000
India 13 weeks at 480,000 but per wk	23,200,000 6,300,000
per week	9 600 000
Australasia 13 weeks at 280,000 bus.	3,600,000
Austria-Hungary 13 weeks at 160,- 000 bus, per week.	2,100,000
sundries 13 weeks at 280,000 bus.	3,600,000
Total	

98,000,000

The deficiency here shown

cause a reduction in the "quantity afloat" and in the ports of Europe of nearly 2,400,000 bus. per week. On the 1st inst. the quantity afloat to Europe amounted to 37,500,000 bus., while the stocks in the ports of the U. K., France, Germany, Holland, Belgium, and Italy amounted to 48,000,000 bushels, this aggregate of 85,500,000 bus. will thus be reduced to 56,000,-000 bus, by the end of February next, and as a consequence the great depression that has now lasted since November, 1891, may rightly be expected in a measure to pass away.

\*Exclusive of 15,000,600 bushels allowed for West Indies, China, &c.

#### SEED WHEAT FOR DAKOTA.

The railroad and warehouse commission of North Dakota held a conference Wednesday at the Chamber of Commerce with representatives of the elevator companies doing business in that state. In some parts of the state there has been a great deal of trouble with smut and the question of procuring pure seed is one that is perplexing the people.

The conference was held for the purpose of enlisting the co-operation of the elevator men in an effort to get new seed. The idea of the commissioners was that the elevator men, being interested in the matter should arrange a transfer of pure Minnesota grain for the smutty seed. The gentlemen present readily agreed to this, and promised to co-operate with the commission. Only the preliminaries of the plan were discussed, however, and another meeting will be held in the near future.

Speaking of the meeting, P. B. Smith, of the St. Anthony and Dakota Company, said that the commissioners did not come down on a begging trip and that the elevator men had not been asked to enter into any movement, such as was done several years ago, to furnish seed to destitute farmers.

There were present at the conference Railroad Commissioners Rasmussen and Stevens and Secretary Grant. Among the elevator representatives present were Mr. Robbin, of the Northwestern Company, Mr. Pillsbury, Mr. Cargill and Mr. Smith.

WE desire to call attention to the advertisement of the Rockford Hotel (European) situated at 222 to 226 South Clark st., opposite the post office, Chicago. This house has been recently refurnished, and is the most comfortable and best Hotel for the money in Chicago. Patrons The deficiency here shown accompanied by their families is somewhat alarming, amount-will be liberally treated, and uniform Bill of Lading condi-tions, will be charged one class made on January 25. This al-weeks, which if correct would place.

#### Correspondence.

[The following letters are all from our own special correspondents, and reflect their views and the views of the trade in the location from which they write.]

#### NEW YORK.

The Old Year Ended in Stagnation-The New Year Opened with Higher and More Active Markets-These Markets Have Been Scrapmarkets—I nees markets have been scraping Bottom Until It has Been Scraped OffBut Europe Does Not Respond to Our Advance—Too Much Stuff in Sight and Too
Much Offering From the Southern Hemisphere—Chicago the Bull Center—The Flour
Market—What City Mills Are Doing.

THE winding up of the old year and the unfolding of the new, is never characterized by extraordinary activity or change, either in speculative or legitimate trade. Still less in a panic year, after everybody has been suspended by the eyelids so long that their foresight is lost and only their "level sight" is left. Nobody has pluck enough to anticipate the future any more, and some even doubt if there is any future to their business and act accordingly, while spending their time and thought in bemoaning the past and the "good times that used to be in our trade." The flour market has been particularly afflicted with these "have beens," until such a possibility as a "may be" has been forgotten. Indeed, the course of the flour market for the past year, has been such as to kill out all spirit of enterprise and speculation, which is simply anticipating the future, as a declining market always loses money for everybody engaged in it, unless they speculate backwards, by selling stuff short. It is a fact that this is about the only way a miller or dealer in flour, as well as a speculator in wheat, could have made money during 1893. There have been few times during that period in which a miller could buy wheat, grind it, and ship his to market and get his product money back. Equally difficult has it been for a dealer in flour to buy stock and then turn around and sell it, before he could duplicate his purchases for less money, as his compet-itor who waited had done, and thus been able to undersell him. To such an extent has this been true, and so generally had the trade became discouraged by such a protracted experience, that when the old year ended, and with it, this state of trade, few had any amount of stock on hand; and, when the new year opened with a better wheat market, although on sentiment only, the flour market followed, in the absence of supplies of any amount, without anybody having enough stock on hand to get any advantage of the advance, except, it may be, the millers who had been compelled to hold the flour, they for exports of wheat, and flour straights came next and have local definant to could not sell or shut down as well, is by no means flatter-rallied 10c to \$3.00 for soft to kinds, and it is fortunate for all during December.

After such a protracted period of stagnation and depression no one seems able to realize that bottom prices have been passed until too late to get any advantage from the first reaction. So it was this year. But when least expected the markets for both wheat and flour have rallied and the trade has been left. Yet on the advance, the flour trade has come in and the market has gone up on trade brands legitimately, with demand increasing and moderate supplies, until, at this writing, there is a halt in the activity that set in before the old year was quite dead, as prices have now gained 25c from the bottom of December on Spring Patents, which were then the most depressed; and when Sweezey took on from 30,000 to 50,000 bbls. of good flours at \$3.75 for running delivery into April at that price. That was rock bottom on this crop, as well as on record, and only for round lots of 5,000 to 10,000 bbls., as most millers would not accept it, while few if any other buyers bought freely at that or even more, until since the new year, they have been forced to enter the market for near wants and pay \$3.85 up to \$4.00 for standard to fancy brands, barring only one or two. At those prices the bulk of a good trade has been done until this week, when Western millers jumped the price up with wheat, and on light supplies of flour here, to \$4.00 for standards to \$4.25 for fancy brands, and even \$4.50 for Pillsbury's. This has caused a halt, and buyers are now taking breath and waiting to see what the Chicago bulls are going to do with wheat, as the bull stormcenter is on the Chicago Board of Trade rather than in cornering markets; for Europe has new purchases since January 1, than she did during December.

WAITING TO SEE WHAT EUROPE WILL DO.

In fact this is now the pivot of the wheat, if not of the flour market. Europe has large stocks of both wheat and flour, the latter having gone forward freely from here since the close of navigation on through shipments from the West, while India and Russia have been pouring their supplies into Europe steadily for a month past, at lower prices than our wheat could be bought at. Added to this, free offerings of Argentine and New Zealand new crop, for prompt shipment, have further made Europe easy about future supplies, so that when our markets turned up, she sat down and let America bull the stocks already bought, instead of taking more from us. The outlook

BOTTOM PRICES HAVE BEEN SEEN. are likely now to have to wait until the Southern Hemisphere. including India, shall have marketed her new crops; except as our wheats are wanted for mixtures with those of other countries. Crop scares may and doubtless will come to help the market, as all accidents now the statistical position so strong, based upon the government estimate of a 396,000,000 crop, confirmed in the January report, although the amount of wheat in sight is a heavy load for the bulls to shoulder.

> WHO IS BULLING WHEAT. The bull party in Chicago in-

most successful operators, and

a long pull and a big advance.

Yet it is evident that they are

by no means as hopeful since the January boom has failed to inspire Europe with the idea that this is the last opportunity to buy cheap wheat. Pardridge seems to be about the only big operator there on the short side still. Yet he does not appear to be worried, as somebody has long wheat to sell all the time, whether prices go up or down. In fact, the leaders themselves have been suspected of working the government crop report for considerable more than it was worth, in order to induce outside buying and enable them to unload. The market has acted that way. The only bullish item in that report was 7 per cent less acreage, sown to winter last fall than harvested last summer. But a report on condition would doubtless show a higher average than a year ago, as there has been scarcely a complaint heard in two months about condition, which has been very favorable. There was a little crop scare in Europe this week on the severe taken less wheat and flour on cold weather there. But the ground was unusually well covered with snow and the mild weather since has dissipated all fears that might have been entertained, as most of these reports came via Chicago. is said the old Big Four Bear Combination of operators in Chicago has been re-formed, with Ream as its head, and not Jones and Jack Cudahy in the background, with doubts as to the fourth party, though Armour is regarded as a bull on the market. Whether this at-tempt to bull wheat will be carried into a deal, as it was last vear and failed, is not yet even talked of, though this new bull combination is; and, we shall see what we shall see. THE FLOUR MARKET IN DETAIL

can be subdivided as follows, and described: Spring patents have recovered the most, as

cies, while winter brands have just begun to move, after long neglect, at the relative large difference under spring, at which they have ruled so long, namely\$3.40@3.85. But grades of winter, under \$3.00, which forms the second subdivision, have been neglected for want must, with prices so low and of export demand and very weak, even in face of the strength in higher grades. This takes everything down to \$2.00 for superfine in sacks and \$2.10 in bbls., \$2.25@2.35 for No. 2 in bbls., \$2.45@2.60 for No.1 in bbls. But low grade springs have been scarce and almost nominal, under \$1.90, as they have been contracted ahead for export for cludes some of the largest and feed stuff, so far as to take them off the market and they are they claim to have gone in for nominal though firm. above \$2.00 and up to \$2.40 in sacks and barrels, springs are dull, as exporter's have not been taking them to any extent. On the other hand, there have been some pretty large purchases of Baker's extras in barrels by the local trade, part to go on city contracts and part by the maccaroni manufacturers at \$2.50@ 2.65, which has steadied up these flours in barrels and taken down the stock; but they are still easy in sacks. Outside of Baker's extras, in which there has been no advance, and spring patents and winter clears or straights, there has been little activity and no strength. Exporters have a few bids for Baker's and patent springs, but at 1@3 shillings under our market, as a rule, except for special brands. The only exception to export inquiry is for the West Indies.

#### CITY MILLS MORE ACTIVE.

After a long period of stagnation in the West India trade, there has been quite a revival since the new year, both in Western winter straights and in City Mills clears, of which about 50,000 of the latter have been taken, in lots at \$3.55, or 40c over the price paid for good winter clears or straights. But there had been an accumulation of City Mills clears during December, and even of patents, which have not recovered with spring patents, as there were more of the former on the market. But the mill feed bonanza of the city mills holds out and makes a big item in their favor, as they are sold ahead all this month at 821/2@85c, and are able to work off any excess over city trade demand to the eastern trade and for export, at full local prices, as there is not enough western coming here to interfere seriously with the city mills monopoly of this market. Yet the general substitution of trolley for horse cars in Brooklyn and of cable for horse cars they broke the want. Winter in New York is reducing the

especially, that there is an un- of affairs. He will know better at \$3.85 and about \$3.25@\$3.40 who went to the Pacific coast usual feed shortage in Europe to supply this year. The city At the annu mills also got the benefit of the buckwheat flour boom, having bought the bulk of the crop to arrive at \$2.25@2.50, while the price ran up to \$2.75@3.00, before much of it had moved. But there is a dead calm after the storm and prices are receding again.

Rye flour and corn products the former, at \$2.65@2.90, while heavy arrivals of new crop, stimulated by cut rates of freight, up to the new year, by which a larger portion of the crop than usual has been held around Chicago, while the movement has been unusually heavy and early this year. But the European demand for feed the city government without stuffs has steadied up the market and prevented much accumulating and any break of im-

New York, Jan. 10, 1894.

#### BUFFALO.

THE Board of Trade building has been overrun with rats and mice, much to the annoyance of the lady clerks. Act-Miller started to make war on the rodents. Considerable money was invested in rat exterminators, all of which were flat failures. Miller Dodge advised ferrets and a supply was obtained. These flexible animals are put into holes in the basement and come out on the seventh floor, looking as though they had a parrot and monkey time of it in their travels. So far, the new remedy is a complete success.

There are elevators for sale in Buffalo and plenty of them. If that English syndicate would only come around now and make a bid! And they are building more of them! think the UNITED STATES MIL-LER mentioned some three years ago that the thing was being overdone and has never missed an occasion to sound a warning note. But fools rush in where angels fear to tread. the situation.

Insurance companies are cutting big lumps off their risks, especially on the largest largest houses, and owners of grain in them are alarmed over the situation. Besides this, there is too much elevator stock for sale to suit our best business men. A block of this class of more than we had last year. investment was hawked around Besides this the mills all have the streets a week ago; nobody would look at it; more of the stuff will come out before spring.

At the annual election of the Merchants' Exchange, the usual "feed" was notably absent. Above all the silly clap-trap, this lunch business is the worst. The idea is that this lunch attracts new members, or keeps the weak ones from dropping out. The poor got the money this year, and I doubt if the Exchange will indulge in any more Board.

I remember, during the war time, when regiments were send them to the front, when a word from that body would make or break any man or exception is Chase, who measure. Why, it controlled made a barrel of money. taking a hand in politics. Such men as the Hon. Wm. F. Sheehan would not have lived politically more than one election. Although not as strong in membership during those days, it was the balance wheel, the power behind the throne. O! for those good old days, when everybody worked for the interest of Buffalo, and not to drag its name before the world uated by a great love for all as a specimen of how low a womankind, Superintendent republican form of government republican form of government can possibly sink, with the aid of a few unprincipled citizens.

The amount of Duluth wheat in market at the close of the year, under 72 cents for No. 1 hard, and 71 cents for No. 1 Northern could have been purchased by one country miller without disturbing his credit with the banker. This looks as if we were going to be short of wheat, but there is nothing in it. Quite a large amount of Minneapolis wheat has been worked through and plenty will follow it. Of course this is on the "dead quiet," but rates are so favorable from the Northwest that there is money in it. With all these outside points, or a fair portion supplied from Minneapolis, our wheat will hold out.

The talk of 800,000 bushels shortage here comes from sellers; millers are satisfied with

As near as can be ascertained there are 350,000 bbls. of flour in store, in warehouses along the river front, a reduction of 150,000 bbls. since the closing the roads come to some underof navigation. This is quite a liberal quantity of Northwestern stuff, and considerable a full supply on hand, and with are doing Buffalo a great in-rallying demand, during De-justice. Also that they must rallying demand, during December, it looks as though a cember, it looks as though a desist from such vulgar prac-shut down for a month would tices or this association will get

for Winters.

Tha Eastern Elevating Company has fitted up a gorgeous office in the Board of Trade. Nothing like it has ever been seen in this section of the world. It is just too lovely for anything. But all this show may be necessary.

Last reports from the books

of Rochester millers, with one exception, shows a dead loss of have dragged along without activity, change or feature in amount to a different charitable all flour sold. This is supposed the former, at \$2.65@2.90, while the latter has simply followed corn, and that has declined on the leading men of the latter has simply followed among the leading men of the leading me River miller never knows how he stands until he is nearly bankrupt. But he is a most raised and money furnished to delightful sticker; never lets a customer go even if he has to give away the flour. The one exception is Chase, who has was a bear on that and sold all the flour he could, no matter if he cut the price 10 to 15c. That miller has a long head and it's well-placed on a good big pair of shoulders, too.

Mr. A. R. James was defeated in the election for president of the Merchants Exchange. was a case of a certainty. It was thought that there was no necessity of working for A. R. James; he was elected before a ballot was cast, and consequently the shrewd politician, R. R. Hefford, who has fought many a battle, took the plum. Had there been a full vote, or about 350 votes, the chances of Mr. James were good for at least 50 majority. Mr. James needs a few lessons in gunning for votes and he could not get a better teacher than R. R. Hefford. Here is the ticket and votes:

President-Robert R. Hefford—124. Alonzo R. James—102. -President— P. G. Cook, Jr.—132. J. Adam Lautz—93. Treasurer-

J. H. Lascelles—136. Melvin F. Warren—88. Trustees for three years— William G. Heathfield—142. William G. Heathfield—142. John A. Seymour, Jr.—140. S. W. Yantis—115. Henry C. French—119. James H. Rodebaugh—109. George E. Laverack—104. James Ash—91. E. G. S. Miller—77. The first four being elected.

With grain rates from 5 to 8c against Buffalo,dealers here are having a serious time of it and a few have stepped out, until standing. An organization known as the Car Grain Association, has been formed, who's object is to attempt to persuade agents into the belief that they

some3 months ago for his health are not encouraging. This was expected. His old friends, when bidding him good-by, knew he would not come back. change of climate could help him. He was a landmark in the grain trade of Buffalo and like all the old timers worked hard.

"Oh, the poor but honest mil-ler," remarked a broker. "Business is dreadfully dull, but he has not neglected to take in his shorts regularly, all the way down from 70c to 64½c.
The "H. O." oatmeal plant in

this city will be enlarged next spring and the whole process, from hulling the oats to shipping in packages will be done under one roof. Since the abandonment of the mill at Craigville, N. Y., hulled oats have been purchased from other mills and manufactured into the now famous "H. O." by process which makes this food as much superior to the ordinary rolled oatmeal as the latter was to the old fashioned coarse chop oatmeal, when first introduced from Scotland. There are 15 men and 80 girls employed in this mill, and three barrels of paste are used daily in labeling the packages for shipment.

Harperger's mill at Mayville. Chautauqua, damaged by fire a few weeks ago, will be in running shape soon,

The first sale of track receipts of spring wheat was made in this market on the 2d of January. It came from Chicago, but was Minneapolis wheat and of good clean quality. One of our best judges of spring wheat paid 71c for it or ½ above what Duluth of the same grade could be purchased for. Still this did not worry holders, as it is a well-known fact that wheat cannot be shipped down here in quantities sufficient to materially effect the price here. The Duluth wheat in store here will pay a profit sure enough, but will not advance to "corner" prices, as there will be enough to meet all demands.

Captain Henry has been reappointed manager of the Lehigh Line of steamers. This will not please many people, who have been telling some truths about him, when they thought he was out for good.

No. 2 red wheat sold in this market on January 3d at 621/2c, the lowest price reached in 15 There is surely no vears. money in growing and shipping wheat at these prices.

But the time is coming when wheat will bring more money, in spite of the gang at Chicago, who are holding back information, regarding the situation in the northwest. There are traders who are quietly taking It is easier to get grain into a new house than it is to take it out. One big barley shipper was outside, for the best Patent was heard to lament this state Springs and sales were made.

Defor the interest of the milangry. Among the membership, the few who are enjoying a cut rate are not conspicious.

Reports from N. C. Simons, true state of affairs will be

sprung on the unsuspecting Our reports from most lambs. reliable sources are, that there is no wheat to be had in a large number of milling centers, and the differences between receipts and shipments at the principal points would indicate that a very large proportion of it was being held for good reasons. The talk of no cars to ship with is all nonsense in the opinion of those who are on the inside. There is no doubt but farmers have marketed more wheat the past year than ever before and that many will be forced to buy seed.

Mr. George Sandrock, for-merly the "People's George" while struggling manfully to "let concealment like a worm in the bud knaw at his damask cheek," sometimes winces like the galled jade, showing that the recent election left some sore spots. Bear up George, play the part of patience on a monument, smiling at grief. Cut loose from "de gang" and you may yet be Mayor of Buffalo, by a much larger majority than that when you were first elected counselman. And that was a bouncer.

The tariff is being cussed and discussed here and the question and probable effect of free trade in flour and wheat is commented upon. Some of our local millers who have only given the matter a superficial view regard the duties on these articles with favor, while others who have gone deeper into the matter think otherwise. Mr. Alexander Mann has sold flour all over this country from Hudson's Bay to the Gulf of Mexico and from the Atlantic Ocean to the setting sun. For two or three years prior to the in-crease of duty on flour by the Canadian government he spent most of his time selling Minnesota flour in Canada, his trade extending from Hamilton, Ontario to Halifax, NovaScotia, and reaching large proportions of the country in Montreal, Quebec and Ottawa, also the French Canada, along the St. Lawrence. Mr. Mann, who knows whereof he speaks, says that with free trade in flour, the United States would sell fifty barrels in Canada where Canada would sell one in this country. This is a consummation devoutly to be wished for. It would help our millers and do no injury to our farmers, as just so long as we have a surplus, just so long will the foreign demand regulate the price.

Buffalo, in common with the rest of the country, is feeling the effects of the depression in business and the charitably inclined are busy providing for the poor and finding work for the unemployed. Many of our

Harvey & Henry), came down most handsomely with 2,000 loaves of bread weekly until April 15th. That is charity.

BUFFALO, Jan. 16, 1894.

#### DULUTH.

THE past month has been one of inactivity waiting, and suspense. Not only have the mills to confront the general business depression, in common with all other concerns, but they find themselves handicapped by prohibitive freight rates. Still, if there was any demand for mill products, satisfactory rates could probably be arranged, but there is absolutely no business. This, of course, the mills had anticipated in part, by reason of the over-stocking on the part of middle-men during the closing days of cheap water-rates, so far as the water territory is concerned. But territory is concerned. But the South and South-western trade is unusually dull, and the mills have been doing but little.

The "round-up," by Secretary Welles, of the Board of Trade, shows the business of December succinctly as follows:

Statement showing the production of flour at Duluth and Superior, and the receipts of flour and grain for December 1893, as compared with the same items for December 1892.

**	"	Dul. bbls Sup. "	1893. 64,868 177,478	1892. 71,094
	received.	bbls2	194,229	6,912,707
Oats,			12,566	
Rye, Barley.			6,869 98,191	6,140 424
Flax.	44		11,784	41,110

Shipments of flour and grain during December this year, as compared with last December, are as follows :

											1893.	1892.
Flour, b	bls										446,698	39,482
Wheat,											432,397	84,745
Oats,	**										4,901	
Rye,	**											26,789
Barley.	64		9	1	3					26	274.804	822

During the first week of this month there were 37,111 bbls. of flour made at the head of the the lakes—the Lake Superior and Imperial mills alone running. These mills also ran a ning. These mills also ran a few days last week, but on Thursday, 11th, shut down, and since then not a wheel has been turning. The main reason for the run since the era of low rates, was to stock up the warehouses, and that has now been practically accomplished, and just when grinding will be resumed is problematical, but it will probably not be until a hungry demand comes up for flour. While freight rates are maintained at the regular schedule, and millers sometimes refer to them as prohibitive, still the mill-men, who are eminently practicable, when they consider the number of railroads going into bankruptcy, are not disposed to find much fault with the card. When the body polimillers and grain dealers have tic is sick it wants flour no responded and the great bakers worse than it does steel or lum-

will probably be among the first industries to respond.

The calendar year, however, notwithstanding the great panic, was not wholly a failure in the flouring and wheat business. The figures for the year in comparison with the figures for the previous year are of interest. The table below gives the production of flour at Duluth and Superior, and the receipts of grain for the year 1893 as compared with the same items for 1892:

				1893.	1892.
Flour, b	bls.	produc	ed Dul. Sup.1	875,749 }	1,094,493
of the		eived(	at head	4 900 001	4.095.047
			ed8	2,910,398	46,660,572
Corn,	**	"		327,937	106,679
Oats,	"	**		23,893	37,641
Rye,	"	"		38,985	69,659
Barley	"	"		613,777	105,943
Flax,				275,052	713,735

grain forthe year ending Dec. 31, 893, as compared with shipments for the year 1892, are as

												1893.	1892.
Flour, b	bls.											6,724,973	4,763,481
Wheat.	bus	١.						 				34,000,851	32,958,494
Corn.	4.6											272,841	106,714
Oats,	44			ľ						Š		4.901	29,953
Rye	16											28,954	70,709
Barley,	44											686,093	108,486
Flax.	4.	ì		ì	ď	Ü	ľ	ĵ				420,908	508,196

This shows a decrease of 13,-750,174 bushels from the receipts of 1892, when the largest crop on record was raised and marketed, and 7,500,000 bushels less than 1891. Except for the years noted, last year's receipts were the heaviest ever known here. The receipts and shipments for the past seven years are shown in the following:

														1					Receipts.	Shipped.
	Yes	ı	r																bus.	bus.
1	1887	7		١					0				į,				١.		17,136,275	19,761,586
	1888																			13,482,829
13	1880	î	ì	ì		b			į	Ĝ	Ī	ı	i	Ô	Š	Ĭ.			17,313,081	13,326,648
	1890																			14,090,826
	1891																			34,658,234
	1892																			34,488,255
	1893																		32,910,398	33,700,847

The amount of grain in store on Monday, Jan. 8, is given by the Secretary of the Board of Trade as follows: Bushels.

No. 1 hard wheat	4,577,620
No I Northern wheat	4.434.462
No. 1 hard wheat No. 1 Northern wheat No. 2 "" No 3 Spring "" No Grade Spring " Rejected and condemned wheat.	295.790
No 9 Spring "	19.537
No Condo Coring "	2 303
Rejected and condemned wheat.	0.796
Rejected and condemned wheat.	29.907
Special bin wheat	29.901
Total wheat in store	9 369 495
Wheat afloat in the harbor	208 007
Wheat anoat in the narbor	200,001
Aggregate	9,578,402
Increase during the week	
In store and afloat last year	
Increase for the week last year	
Increase for the week last year	
Stock of oats now in store	
Stock of rye now in store	28,199
Increase of rye during the week.	2,862
Stock of barley now in store	30,872
Decrease of barley during the wee	k 2,315
Stock of flaxseed now in store	. 51,210
Increase of flax seed during week.	. 658
Wheat in store at Minneapolis	. 12,440,549
Increase wheat at Minneapolis	186,201
Corn in store at Minneapolis	203,572
Oats in store at Minneapolis	. 26,540
Rye in store at Minneapolis	20,424
Barley in store at Minneapolis	
Barley in store at Minneapons	
Flaxseed in store at Minneapolis.	TO \$10000
mi I alaction	of tha

The annual election of the Duluth Board of Trade will be held January 16, and the following ticket has been placed in the field, as the result of a caucus of the members. It will go through without opposition: President, George Spencer; V. President, B. C. Church; Directors, G. G. Barnum, L. R. Hurd, A. B. Wolvin; Standing Committees—Arbitration: Charles responded and the great bakers worse than it does steel or lumMessrs Smith, Collins & Co. ber, and when there is a general (the Company being Harvey, of revival of business the mills Moore, Thomas Gibson, Walter god. Almost every able bodied

Van Brunt; Inspection: Geo. Rupley, G. G. Barnun, Ward Ames; B.C. Church, A.W. Frick. Otto Hartman retires as President, and George Rupley as Vice President.

The year which has just passed into history will be a memoable one for Duluth. It has been crowded with features both disastrous and profitable. The best crop ever brought to these elevators is commanding the smallest price at which wheat was ever known to sell. May deal at Chicago, which collapsing, knocked its own projectors out, affected a number of elevators here, and swept away a few fortunes; but it left a valuable lesson in their place, which is being turned to profit. The shipments of flour and The bulk of business transacted has been exceeded but once-in the preceding year. Rates during the active shipping season were the lowest ever known, declining at one time to 11/4 cents per bushel, Duluth to Buffalo. The maximum rate was 3, and the average rate 2 cents a bus. The prices were unprecedent-edly low. The finest spring wheat ever raised is being marketed to-day 20 per cent cheaper than the low prices which prevailed last fall. Many theories are advanced to account for this. The lack of foreign demand is a prime factor, although the small demand now made will pretty well exhaust the supply before the next crop. The chiefcause of the stagnant market and low price can probably be found in the general paralysis of commerce and business.

Of the crop of '93, North and South Dakota are credited with 30,000,000 bushels and Minnesota with 40,000,000-about 25 per cent of the crop of the entire country—but something like 30,000,000 bushels less than these three States produced in 1892. It is thought that of the current crop there is yet to come not to exceed 10,000,000 bushels. There has already been marketed here some 25,000,000 bushels, as compared with 28,000,000 bus. at the same time last year. Requirements of the country mills are about 15,000,000 bus., and 17,000,000 will be needed for seed and bread.

Panic phenomena seem to be about as little understood in these days as natural phenomena were in the days of primitive civilization, and now, as then, entirely erroneous causes may be assigned. It seems the fashion now, especially in those "raw material" communities, for the medicine-men to come out of the inactive jungles of their business offices and solemnly declare that the prolonged depression is the result or the threatened removal of the tariff taxes, and so they are rolling up their tom-tom petitions

man in the north-west iron district has sent in his protest against the proposed removal of the tariff on iron ore, and he is as earnest and devout in the exercise of this right of petition as the silver men of Colorado were a few months ago, when they saw demoralization and collapse in any tampering with the Sherman law. Grain men have protested against free barley; iron men against free ore; and lumber men-some of them against free lumber.

The question of a State Elevator at Duluth, to be built at public expense, and run in the interests of the grangers, has beenfinally settled. The Court, in deciding the matter, states that the legislative act providing for the building is not an exercise of the police powers of the State, given by statute to regulate the business of receiving, weighing and inspecting grain in elevators; it has no relation to the regulation of that business, but provides for the State engaging in and carrying it on. The police powers of the State to regulate a business is to be exercised by the adoption of rules and regulations as to the manner in which it shall be conducted by others, and not by engaging in it itself. The act is held to be unconstitutional the State might as well engage in the brewing business as in the grain business. The projectors of the enterprise are handled without apologies, and the question is finally and definitely settled, until, at least, Mr. Ig. Donnelly and his co-populists get hold of the legislative strings again. The State, in the mean time, owns a \$11,000 elevator site at Duluth, which perhaps may be negotiated for by addressing the author of the great Cryptogram.

The immense output and shipment of flour from this port during the year just closed will be exceeded during the present year and will have a decided effect on lake navigation. ing the past year nearly 7,000,000 barrels of flour were sent out, and for the present year it is estimated that from 10 to 12 millions barrels will be the output-if not more. This is a large item in lake commerce and will keep a large line of boats such as the Centurion, Gratwick, Selwyn Eddy, Gilbert etc. in exclusive service. Rates are expected to rule low and shipments in all commodities will be active.

The rather "pesky" year of '93 was given a riotous send-off by the Duluth Board of Trade members on the last day of the month. Wheat, flour, snow-balls, water, bulls and bears were mixed in a conglomerate paste; it was a wind-fall for the

will be no radical changes in are comfortably filled, and unprosperous year is confidently expected.

The Board of Directors of the Board of Trade, has fixed the membership for the ensuing year, with a rebate of \$10 if paid before the annual election. After Feb. 16, the full assessment of \$35, will be due, if the rebate is not taken advantage of.

Receipts of wheat at Fort William for the week ending Dec. 30, were 101,640 bus. and shipbeing converted intoflour. Manclose of navigation.

of Minneapolis have completed arrangements to build an elevator on Rice's Point in this city, with a capacity of 1,000,000 bus. The work which will be done this winter will be on an annex, with a capacity of 300,000 bus.; and the remainder of the structure will go up in a short time. Sowle & Son have been represented in Duluth for some time and now will be more than ever identified with the wheat interests in this city. The building of this new elevator just at this time is of more than ordinary significance—it is substantial testimony to the effect that capital, even in these distressed

this city. Duluth, Jan. 15. H. F. J.

#### SUPERIOR.

FOR the first time in several years all the mills in Superior are idle. Not a barrel of flour was made in this city during the latter part of last week, and no one pretends to say when work will be resumed. It is simply a breathing spell, however, and millers are not exhibiting much concern over the situation. The great spurt made just before the close of navigation-the piling up of stocks in every consuming lake

officers or directorates, or politil some of the surplus stocks cies. And, notwithstanding the about the country are reduced prevailing dullness, a busy and there will be no object in piling up more flour. All signs, portents and commercial agencies point to a return of general activity in the near future, annual dues at \$30 for each when mills in all directions, especially the flouring mills, will resume. In the mean time preparations are going forward for increased capacities, both as to wheat and flour storage. A contract has just been let by the Freeman Milling Co. for a flour shed, to be located east of the mill, and to accommodate ments 4,076 bus. Total stocks 40,000 bbls. of flour. Work is were 1,539,107, being an increase of 97,504 bus. for the week. A year ago stocks were 2,175,419, being an increase of 73,132 for the same Company, but work the same Company, but work that week. Stocks in Manitoba elevators, including Winnipeg, are placed at nearly 2,500,000 bus. likewise figuring on better-There are no shipments east of ments of a permanent nature, lake storage points to speak of, and all are getting ready for a and marketings are all going busy year. The lack of orders into store, except what is is looked upon as incidental and in nowise foreshadowing a itoba wheats are firmer in east-dull year. Freight rates have ernCanadamarkets, wheat sales been held firm since the first are being made from stocks in of the year, and there is not store shipped east before the much probability that a change will be made soon. Millers de-The receipts at Duluth con- sire to see the rates maintained tinue to be fair, considering the steadily, and not raised and depressing prices. depressing prices.

And still another elevator is lowered every two or three months. At present the schedto goup here. L.T. Sowle & Son, ule promulgated by the rail-

Superior to:

		enperior to.			
•	with a capacity of 1,000,000 bus.		A11	Across	ı
	The work which will be done		11	lake.	ı
	The work which will be done	New York	971/	3516	ı
	this winter will be on an annex,	Montreal	3712	3512	ı
	with a capacity of 300,000 bus.;	Boston.	391/2	3736	ı
	with a capacity of 500,000 bus.;	Philadelphia		331/2	L
	and the remainder of the struct-	Binghamton, Scranton	3512	331/2	ľ
	tire will as and the struct	Baltimore	341/2	321/2	
	ure will go up in a short time.	Cortland	341/2	321/2	ı
	Sowle & Son have been repre-	Reading or Harrisburg.,		321/2	ľ
J	contadia Datate been repre-	Utica Schenectady	361/2	341/2	,
	sented in Duluth for some time	Syracuse		33	ľ
1	and now will be more than ever	Rochester, Mount Morris	321/2	301/2	ı
١	that now will be more than ever		31	29 31	ı
1	identified with the wheat inter-	Buffalo, Erie	271/2	31	ľ
1	ests in this site. The 1 1111	Hornellsville	3315	251/2	1
1	ests in this city. The building	Kingston	3616	311/2	H
١	of this new elevator just at this	Chicago	121/2		
١	time is of man it	Peoria	1216		
1	time is of more than ordinary	Detroit	9117		ú
1	significance—it is substantial	Toledo	2116		ı
ı	testiment it is substantial	Indianapolis	2015		
ı	testimony to the effect that cap-	Cincinnati	221/2		ľ
ı	ital, even in these distressed	Cleveland	221/2		1
ı	itti, even in these distressed	Des Moines	2212		(
ı	times, can make no mistake in	Omaha			1
1	branching out in best	New Orleans	3712		t

branching out in business in to make an increase in the milling capacity of this City during the present year, there a combined capacity of 19,400 bbls., a day at the head of the lakes, which is second to Minneapolis only. To be exact, Duluth has a capacity of 7,000 bbls., Superior 7,000 bbls., and West Superior 5,400 bbls., daily. The year past was characterized by construction and development; one year ago there was a capacity of but 9,000 bbls., where now there is a 19,400 capacity. Of this 115 per cent increase, Superior has 457 tons. There was a gain in

in operation during the calendar year were successful, despite the general apathy in business. The extremely low range of prices for mill prod-ucts has given the flour market greater breadth than it ever had before, and brought fancy patent flour in demand in places which heretofore were consumers of the lower grades. The failure of one small mill was the only incident during the year to mar the even tenor of prosperity. The product was 2,040,000 bbls. of flour, against 1,054,000 bbls. the year before, and of this about 28 per cent. was shipped for export. The receipts of flour from interior points for trans shipment amounted to 4,868,000 bbls.. against 4,751,000 bbls. in 1892. The increase indicates very strongly the development and growth of the flour business, and the disposition to send to market the manufactured article rather than grain. shouldn't the major portion of the bread-stuffs exported be first run through a mill in this country?

The season just closed shows a remarkable growth in the commerce from the head of the lakes. While the grain and flour shipments are leading items, there is an immense amount of ore, lumber and other "raw material" down the lakes. And the traffic is just beginning. In a short time—within the next decade-the two cities of Superior and Duluth will do a greater shipping business than Chicago, which is third or fourth in the great ports of the world. These two towns are yet far behind Chicago, in the number of arrivals and clearances, but the tonnage, on the average, is much larger to

each vessel here.

For the last year the average tonnage of the vessels arriving and clearing here was 1,244 while the average tonnage at Chicago was only 533, or less than half the average here; While it is already decided but the total tonnage at the head of the lakes is fast gaining on the big Lake Michigan town. In 1891 the total tonnage at the head of Lake Superior was 5,332,494, and that of Chicago was 10,150,052, giving these two ports, with a popula-tion of 80,000 (in 1891) over 50 per cent as large a lake traffic as Chicago with her 1,200,000 population. The figures of 1893 show a great change in the relative tonnage. For that year the total tonnage at the head of the lake was 6,325,855, and the total at Chicago was 9,770,made 77, and West Superior 36. the tonnage here, in the two All the new mills are the years, of about one million tons, port, and supplying all ware-houses while freights were at material. Several of them did while Chicago lost 420,000 tons, and the total here is now 67 Annual meetings of almost a minimum point, was prophetic of the present condition. Sheds and warehouses here crop year. The mills that were and Superior, and 1,500,000 in

Chicago. The general stagnation in commerce kept the tonnage down in both ports, still, there isn't very much question but that the star of the North is the in ascendancy, and that is why millers and elevator men are crowding to this point.'

A few figures of the year's business at the "Soo" will be

	1893.	1892.
Vessels	12,008	12,580
Tonnage	. 10,796,572	11,214,333
Passengers	18,000	25,000
Coal up	3,008,120	2,904,266
Flour		5,418,135
Wheat		40,994,780
Lumber	588,545,000 ft.	512,844,000 f

The total valuation of the products which went through the canal during the year is \$145,436,956.94.

The staff of the Anchor Mill is now as follows: Head miller, W. J. Robb; second miller, W. D. Anderson, formerly with the E. P. Allis Co.; others are J. D. McDougall, of Rochester, N. Y., and S. B. Bowers of Winona, bolters, and W. N. Jackson, formerly connected with the Page Mill at Fergus Falls, and G. C. Kratochwill, formerly of Dayton, as grind-

George Tileston, of St. Cloud, accompanied by his head miller F. J. Stephens, has been looking over the mills here. In regard to the site of the old Page mill at Fergus Falls.

Mr. Tileston says that he has made a proposition to rent any good mill the owners of the site may build, but that he does not intend to build there him-

The east end milling interests have finally secured the City Council to order a fine engine and station for that district. The engine selected will cost \$4.500 and the annual expense of maintaining it will be some \$4,000. This was secured on account of the recent fire in the Listman Mill.

Another railroad line has been constructed, in immediate prospect, from this city to the wheat fields of N. D. R. S. Munger of Duluth is behind the undertaking; as planned the road is to run from the head of the lakes in a slightly north-westerly course to the Red River Valley, north of Fargo, and south of Caledonia, thence to Carrington. This would tap a fertile wheat belt and give a direct route to the elevators of this city. It is proposed to build the road during the present year.

Those interested in the proposed Bayfield, Harbor & Great Western railroad assert that work will begin on the line in earnest next Summer. The road proposed will run from Carlton or Boylston on the Northern Pacific road direct to Bayfield, and a branch line will be extended to St. Paul, a from Iron River or Brule. W. F. I Dalrymple, of Bayfield, is the

man at the helm, and it is the avowed purpose to divert a large proportion of the grain and flour shipments from the the mile, as against a grade of 50 feet to the mile by other

The Freeman Milling Co. has been making a change in the name of its brands. The word "Minnesota" is dropped. The brand. "A. A. Freeman's Superlative, Minnesota," is now the "Freeman Milling Co.'s, Superlative, West Superior U. S. A.

The Doud barrel factory at South Superior is turning out from 500 to 600 barrels a day. The temporary shutting down of the mills may retard opera-tions for a short time, but the business has an assured permanency. Last year B. F. Goodell organized a Bag and Printing Co. for the purpose of manufacturing and stamping jute bags for flour exports. The building which at that time was promised was not erected and no further steps were taken. Recently S. A. Bemis, of St. Louis came to the city and succeeded in continuing the old project, but by an entirely new organization. It is understood that the company will acquire a large building on the Hughitt slip. The Bemis Bro, Bag Co. has bag factories at Minneapolis, Omaha, Kansas City, New Orleans and carries on a large business, producing 100,000 bags a day at the Minneapolis plant, alone. mills at Minneapolis used 1,000,-000 bags in six months. cotton is woven in the east and the jute comes from Dundee, Calcutta and elsewhere. The mills at the head of the lakes would take in the neighborhood of 3,500,000 sacks a year; and the company here expects to do a flourishing business from the beginning.

An enormous warehouse is projected for the east end, according to plans perfected by Barnett & Record, a steel structure 1,000 feet in length and as wide as the dock will permit is to be built, with railway tracks and wharfage on each side. The estimated cost of the superstructure is \$210,000. It is to have capacity for 30 vessel loads of flour.

Capt McDougall, of whaleback fame has gone east to raise money with which to set This immense plant, together with the steel plant are expected to resume operations in a general business is brighter some factory wheels here are not turning just at present. Superior, Jan. 16.

#### LONDON.

YESTERDAY, the first of the New Year, as regards busi-West, past Superior to Bayfield. He claims a grade of 35 feet to torily, for at Mark Lane there was chronicled the lowest price on record for American flour, American wheat, Argentine and Russian wheats and business was most disappointing. The estimate made by the Board of Agriculture as to the 1893 wheat crop, which was published some ten days ago, was not able to lift up themarket, and last week saw the average price of British grown wheat 3d per quarter below the price that ruled on the 1st of January, 1893, when it was considered that values had touched bottom. The following is a comparison of the English crop of wheat, acreage, yield per acre and the average price on the 16th of December or about that date of each year since 1884.

Total crop.	Cultivation.	Yield per acre.	Gazet avera price quart Dec. 1	ge per er.
Bushels.		Bushels.	. 8	d.
188480,215,877. 188577,587,666.	2,677,038	29.96.	31	5 5
188661,467,898.	2,285,905	26.89.	33	4
1887 74,322,747.	2.317,324	32.07.	31	4 2
188871,939,647.	2,564,237	28.05.	30	10
1889 73,202,773.	2,449,354	29.89.	30	1
189073,354,484.	2,386,336	30.74.	32	4
1891 72,127,263	2,307,277	31.26.	36	10
189258,560,932.	2,219,838	26.38.	26	4
189349,247,297.	1,897,524	25.95.	26	9

It will thus be seen that English farmers, in consequence of the low prices prevailing, the excessive supplies, and the prospect of the continuance of adverse market conditions for wheat, reduced the wheat acreage under cultivation in 1893 by no less than 141/2 per cent, compared with the previous year — 1,898,000 acres against 2,220,000 acres. And with this small acreage the crop has been worse than last year, and the prices realized have been still lower, than in the corresponding period of 1892. The yield per acre in 1893 is estimated by the Agricultural Department at only 25.95 bushels, against 26.38 bushels in 1892, and 30.02 bushels the average of the previous eight years. Since my last letter the weather in the U. K. has been gusty and unsettled, but, on the whole wonderfully genial in temperature. If anything, the autumn sown wheat is rather too forward, but supplies of 1893 wheat from farmers have been moderate and stocks have, therefore, been somewhat diminished. Of foreign wheat and flour accumulations remain serious. The Miller in its issue of Monday. his shipyards in operation. last (yesterday January 1) gives the estimated requirements to harvest as 18,000,000 qrs., and estimated supplies to harvest few weeks. The outlook for as 12,586,566 qrs. Of this latter, the total quantity of wheat in than it was a month ago and a granary is still heavy, and as better feeling prevails all along compared with a year ago the line, despite the fact that shows over 400,000 grs. increase, so that 1893 has over-purchased of the Bakers' Company. The

qrs. against 5,537,065 qrs. a year ago. This more than balances the extra supply from abroad. but the accumulations were laid in before buyers knew how short this year's home harvest was. The flour stocks in granary are 100,687 sacks less than at this time last year, and flour in mills, bakeries, etc., is also about 100,000 sacks less. Total holdings are a nett 363,000 grs. of breadstuffs, less than they were on January 2, 1893. Though this is a "small mercy," the market will, none the less, be helped by it. Had the home crop of 1893 been equal to that of 1892, a market panic would by now have been upon us; as it is, traders should make a determined effort to get accounts level by the time that another harvest comes around. comparison, says The Miller, of requirements and supplies shows that it is not too late for prudence to accomplish the task.

As mentioned above yesterday, January 1, saw the value of American flour touch the lowest point on record, but factors did their best to prevent prices going to the lowest ex-tent and they, therefore, quoted the following prices for well known brands of American flour ex store:

#### MINNESOTA FLOUR.

Richland23s
Nahoh Patent 99a 6-1
Manhattan straights
Grants Gold
Case Cold228
Cass18s 6d
Corunna 188
New Ulm
Otsego 178
Stefanotis bakers
Hubbard's Otsego
Edward228
Pinney's best
Finney's best
Melville straight
Kenilworth228
Imp. choice bakers
Sunshin patent
Extra
Champion
Champion
Monarch

### MILWAUKEE FLOUR. Indiana Patent. Manigold patent do bakers Daisy Mills Tip Top Sanderson's best. do Arcade. Lily of Killarney. .22s .22s .16s 6d .22s .22s .16s ..21s 6d

## CHICAGO FLOUR. CHICAGO FLOCK. Brigg's Patent... Star and Crescent... Chesapeake... Severn Mills... Ridge Mills...

Of the Minneapolis flours, Pillsbury best is quoted at 24s, Morrison's super, 22s, 6d to 23s, Washburn's Gold Medal, 24s 3d, Christian's super, 22s 6d, and Consolidated Ceresota 24s 6d.

On the afternoon of December the 14th last, the very interesting ceremony of presenting the prizes to the successful competitors at the recent International Bakers' and Confectioner's Exhibition took place at the Bakers' Hall, Harp Lane, Great Tower Street, London E. The presentation was made by the Master of the Worshipful Company of Bakers, a City Guild that has a history of at least 500 years, who was sup-ported by his Wardens and a goodly muster of the members of the foreigner. The wheat in Master before presenting the farmers' hands is now 4,901,566 prizes welcomed the visitors, amongst whom he was so pleased to see such an influential gathering of the baking trade and the competitors at the recent Exhibition in their

ancient Hall.

Mr. H. C. Kurtz (Seven Sisters road, London, N.), was first presented with the silver medal of the Exhibition, and the gold medal of the Bakers' Company for the best London bread, amid warm congratulations; and then Mrs. F. Marks (Upper Norwood, London, S. E.) received from the Worshipful Master, amid loud applause, the silver medal of the Bakers' Company and two Exhibition bronze medals for her exhibit in Classes I. and II., which in both cases took second place. Mr. Measures, who won the silver medal in Class II., was also loudly applauded, and Mr. A. L. Johnson, of Wimbledon, who took 3rd prize in Class I., and Mr. C. A. Llewellyn, who took the 3rd prize in Class II., were also warmly received. Then followed the other successful competitors in due order, until it came to the representatives of the provinces, when Mr. Taylor relieved Mr. Prain. Mr. Cook, of Ipswich, who took two first prizes for provincial bread in Class IV. and V., was received with much applause.

The second place in Class III. was taken by Mr.William Arundel, of Birmingham, and the second place in Class IV. was taken by Mr. Daniel Gilbert, of Eastbourne, who both received the second prizes for their re-

spective exhibits.

In Class V., Vienna bread, the first prize fell to Mr. D. E. Grimmond, of 159 Oxford street, W., and the second prize to Messrs. Brett & Benny, of 54 High street, Whitechapel, London, E.

In Class IX., Maltine bread, the first prize fell to Mr. A. G. Wylie, of 480 Caledonian road, London, N., and the second prize fell to Mr. W. C. Rees, of 263 New North road, Islington,

London, N.

The successful competitors in the confectionery classes

On the Wednesday before Christmas day the young bloods on the Bristol Market Exchange decided to have a festive game of football on the Exchange floor, as on account of its near approach to the holidays, nothing in the way of business would be doing, but when the day arrived signs were not wanting that a determined effort would be made by the authorities to check, what they considered rioting. Notices of warning against disorder were, therefore, posted in the Exchange, and some fifty of the flower of the local constabulary under two inspectors, were in ambush biding their time. The Bristol Exchange is a public one, with a right-of-way through it, and therefore quite accessible to any rowdy outsider who may be spoiling for a fight, so the right of the police to interfere in case of riot is obvious. About half-past three a feeling that something was going to happen seemed to spread through the building, and many of the more timid among the standholders rapidly stowed away their samples. Presently a brand new association ball shot out and afforded a few minutes sport, very soon, however, falling a victim to a stab from the penknife of a burly corn merchant. A lull ensued, when to the surprise of all in marched a body of 20 or 30 constables under Inspector Cann, the military precision of the parade calling up vivid recollections of a scene in the "Pirates of Penzance." They soon cleared the building by persuasion, as was explained in the police court, and almost the only standholder who had the courage to stick to his post was Mr. Holman, of Blood, Holman & Co. Victims had now to be secured, and great stal-wart policemen might be seen running in a few overgrown striplings and delicate looking men. The only unfortunates connected with the corn trade

greater success than the one they had just held. The proceedings then terminated. questions:—(1) What is the average energy a common windomill is able to produce, per day mill is able to produce, per day of twenty-four hours, in combination with an electric accumulator; what would be the installation most suitable to this effect, and what would be the cost of one horse-power hour? (2) Is it possible, from an economical point of view, to apply the new aerial motors on an extensive scale for the accumulation and the utilization of this energy? If so, what me-chanical appliances would be required for this purpose? The project of a supposed application of the system, by which a factory is provided with light and power, is wanted as an illustration. The drawings belonging to the answers must be made on white paper-no blue prints—on a scale of ¼. [Presumably ¼ in. to the foot.] The prize offered is the gold medal of the society and a reward of £30. Answers must be sent before July 1st, 1894, with the author's name in a closed envelope, to the general secretary of the society, F. W. van Eeden, at Haarlem, Holland.

DRESSER.

P. S.-I should have mentioned in the above that the amount of flour manufactured in the U. K. in 1893 was 29,798,-000 of flour of 280 lbs. each. There are now 795 roller mills in the country.

LONDON, Jan. 2, 1894.

#### LITERARY NOTES.

THE CENTURY Co., 33 East 17th St., New York, have just issued "Pudd'nhead Wilson's Calendar for 1894," containing humorous extracts from Mark Twain's latest story, "Pudd'n-head Wilson, now appearing in *The Century*. They offer to send a copy of the calendar free to any one who will inclose them a stamp to pay postage.

postage.

HARPER'S BAZAR, published January 20, will contain "In the Diplomatic Set," a clever story of society in Washington, by Miss Mary McCulloch.

In the February Harper's, Miss Jean Forsyth will give an account of her experience as a pupil under a celebrated London teacher of vocal music. The title of her article

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istration's policy with regard to that subject; civil service reform as applied to our diplomatic and consular, as well as other branches of the public service, and a great variety of other topics of the day. Foreign affairs are briefly but clearly presented, and this department, entitled "The Progress of the World," presents, in some twenty pages, a proad and frank treatment. clearly presented, and this department, entitled "The Progress of the World," presents, in some twenty pages, a broad and frank treatment of affairs political and social from Canada to Capetown. Among the portraits interspersed are those of Hon. W. L. Wilson, who gives his name to the new tariff bill; Miss Clara Barton, the American head of the Red Cross Society; Hon. J. P. McDonald, chairman of the New Jersey State Board of Arbitration; Hon. G. Robertson, Jr., chairman of the New York State Board of Arbitration; Mr. Arthur Marshall Chambers, chairman of the English Coal Owners' Federation; Mr. J. R. Sovereign new Master Workman of the Knights of Labor; Mr. T. V. Powderly, formerly Master Workman; Senator Hoar, of Massachusetts; Mr. Henry White, lately of the American Legation in London; Mr. John R. Proctor, of Connecticut, the new chairman of the Civil Service Commission; Mayor Schieren, of Brooklyn; Rev. Dr. Charles H. onnected with the corn trade were next presented with their prizes, after which Mr. Pringle said the representatives of the trade and the Exhibition wished to thank the Master, Wardens, and Court of the Company for the use of the hall and their attendance that day, and especially for the confidence reposed by them in the committee.

The vote of thanks to the Master, Wardens, and Court of the Worshipful Company of Bakers was seconded by Mr. Alfred Taylor, the President of the Netherlands, where the Sakers, and carried unanimous pythe Master, wardens, and court of the use that wind mills are going to be put to in the Netherlands, where the National Association of Master Bakers, and carried unanimous pythe Master, who said he hoped that the Committee.

The vote was acknowledged by the Master, who said he hoped that the Company would be even a larly an answer to the following he was sure would be even a larly an answer to the following he was sure would be even a larly an answer to the following his and the confidence reposed by the Master was seconded by Mr. Alfred Taylor, the President of the were Mr. Whittington, corn factors of Connecticut, is "A Singing-Student in London," and the offices of Spillers and Bakers, and although her story reads like fiction it is understood to be literal. The master starts be coming a work of art. In Paris, the coming and office cartoons of M. Jules Cheret, preading the virtues of hair restricting the virtues of hair restriction to the use that wind mills are going to be put to in the Netherland Society for the Promothy of the confidence reposed by the Master, was seconded by Mr. Alfred Taylor, the Presi

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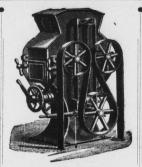
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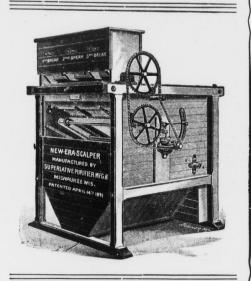
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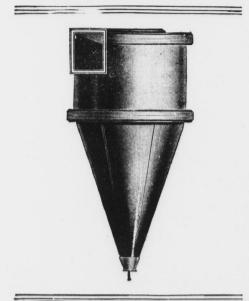
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